Primer name	Primer sequence
CaMKIα fwd	AATTCACCATGGCAATGCTGGGGGCAGTGGAAGGC
CaMKIα 1stNcoI mut fwd	CTTGCAGCACCCTTGGATTGC
CaMKIα 1stNcoI mut rev	GCAATCCAAGGGTGCTGCAAG
CaMKIα 2ndNcoI mut fwd	CGGCGAGCCACGGGGAGCTGC
CaMKIα 2ndNcoI mut rev	GCAGCTCCCCGTGGCTCGCCG
CaMKIα rev	CTCGCGGCCGCGTGAGCTGGTGGGGCAGTGTGGG
CaMKIα K49A fwd	GCTGGTGGCCATCGCATGCATTGCCAAGG
CaMKIα K49A rev	CCTTGGCAATGCATGCGATGGCCACCAGC
CaMKIIα fwd	AATTCACCATGGCCACCATCACCTGCACC
CaMKIIα rev	CTCGCGGCCGCTCAGTGGGGCAGGACGGAGGGCG
CaMKIIα T286D fwd	CACAGACAGGAGGACGTGGACTGCCTGAAG
CaMKIIα T286D rev	CTTCAGGCAGTCCACGTCCTCCTGTCTGTG
CaMKIIα K42R fwd	GGAGTATGCTGCCAGAATCATCAACACAAAG
CaMKIIα K42R rev	CTTTGTGTTGATGATTCTGGCAGCATACTCC
CaMKIV fwd	AATTCACCATGGCAATGCTCAAAGTCACGGTGCCC
CaMKIV NcoI mut fwd	CCAGCAGCAGTCATGGCAGCATCC
CaMKIV NcoI mut rev	GGATGCTGCCATGACTGCTGCTGG
CaMKIV rev	CTCGCGGCCGCGTGTACTCTGGCAGGATC
CaMKIV K75M fwd	TTATGCTCTCATGGTGTTAAAG
CaMKIV K75M rev	CTTTAACACCATGAGAGCATAA
RBL1/p107 fwd	GCAACTACAGCCTAGAGGGAG
RBL1/p107 rev	TGATACCCTTTCCAACCGTGG
β-actin fwd	CAGGGCGTGATGGTGGGC
β-actin rev	CTCGGTCAGCAGCACGG
CDK6 fwd	GCAGGCACCATGGAGAAGGACG
CDK6 S178P fwd	AGATGGCTCTAACC**C**CAGTGGTCGTCACGC
CDK6 S178P rev	GCGTGACGACCACTGGGGTTAGAGCCATCT
CDK6 rev	AGACTCGAGCGGCCGCCACTGTGC

Supplemental Table S1. Primers used in the study.

FIGURE 1A-RBL1/P107
130 kDa
100 kDa

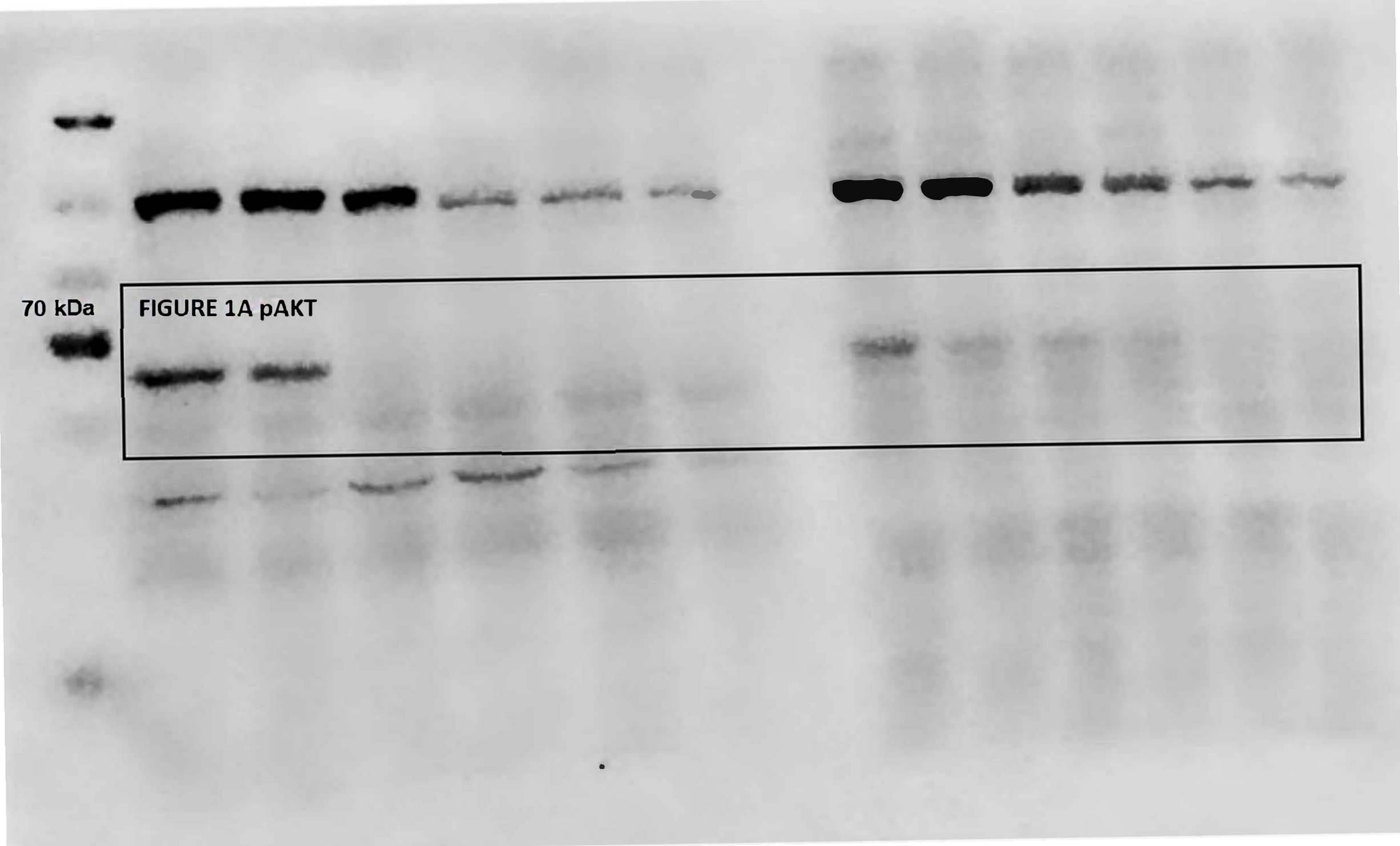

70 kDa
FIGURE 1A pAKT

FIGURE 1A- AKT

FIGURE 1A-BETA-ACTIN

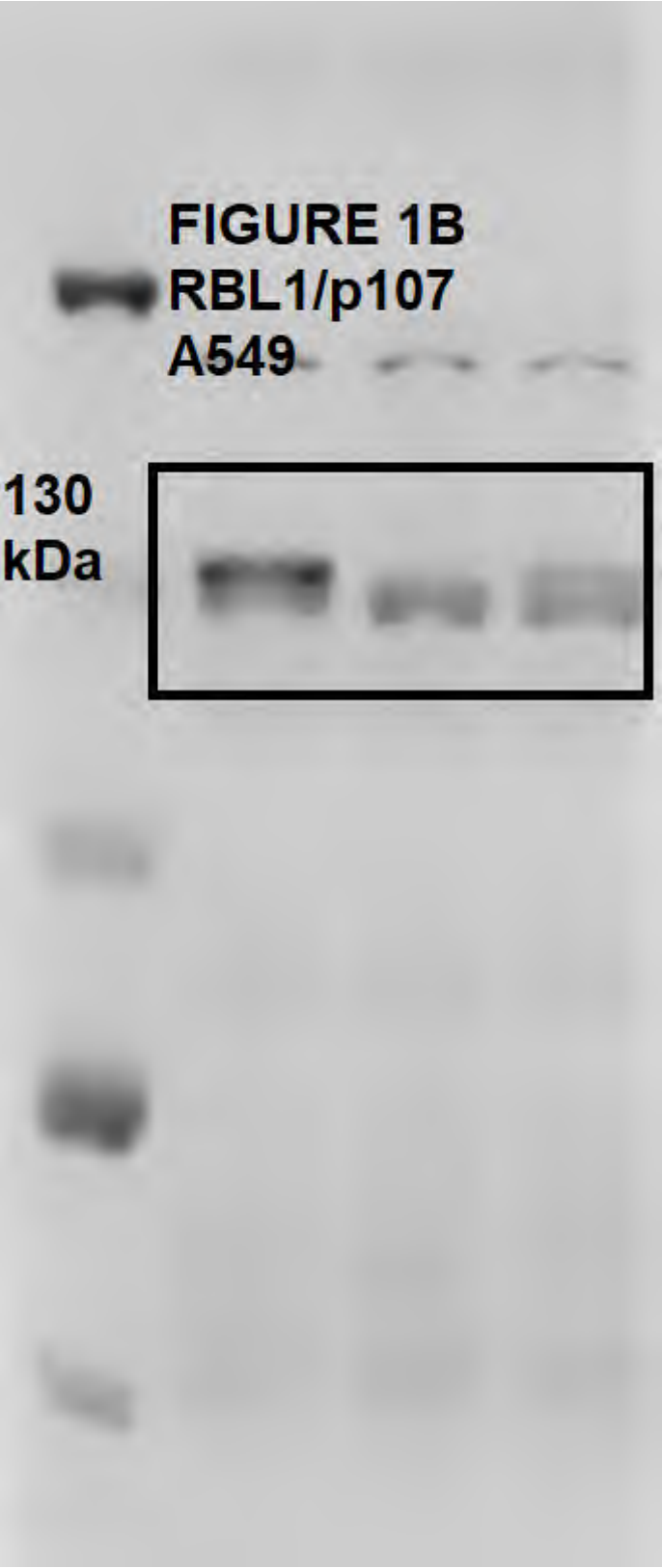


FIGURE 1B
RBL1/p107
A549
130
kDa

FIGURE 1B
alphaTubulin of
RBL1/p107
A549

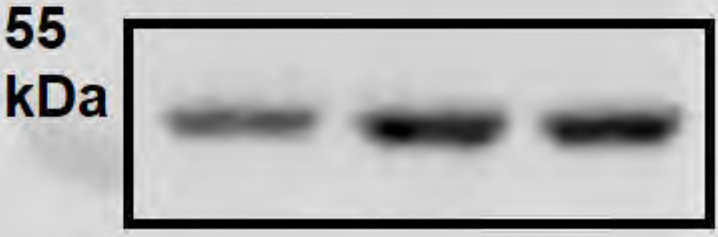


FIGURE 1B
RBL1/p107
MSTO-211H
130
kDa

FIGURE 1B
alphaTubulin of
RBL1/p107
MSTO-211H

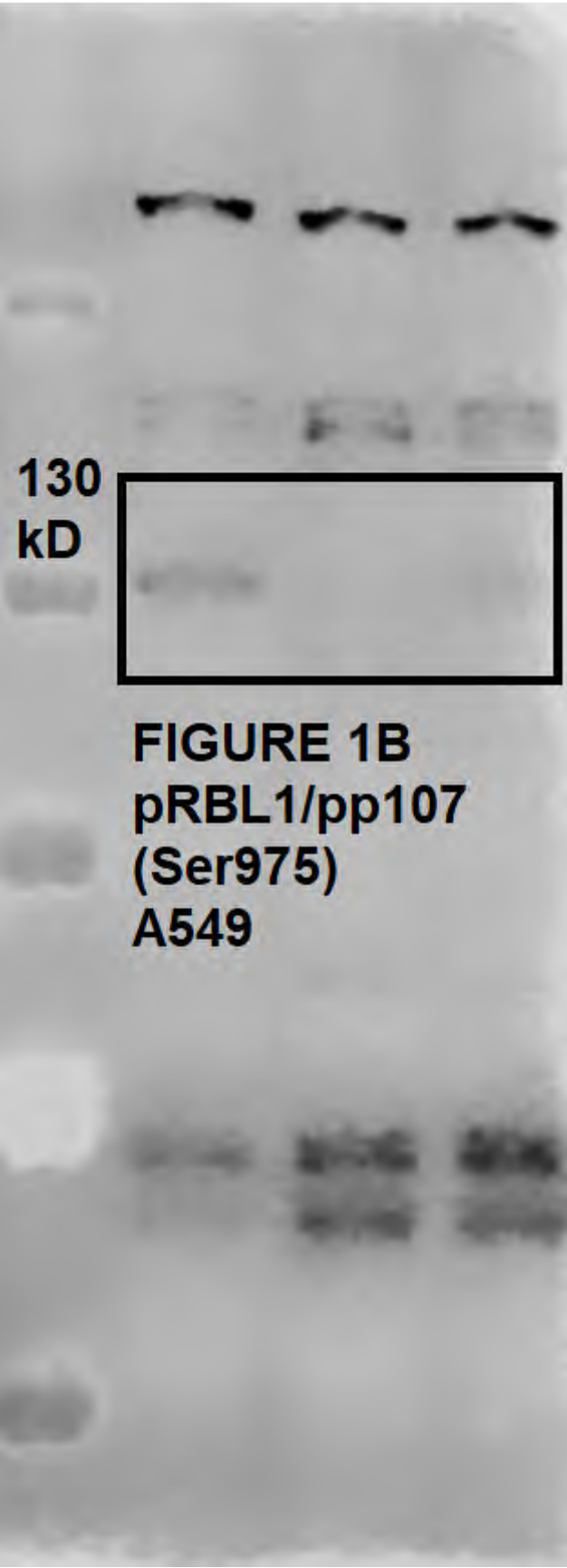


FIGURE 1B
pRBL1/pp107
(Ser975)
A549

FIGURE 1B
alphaTubulin of
pRBL1/pp107
A549

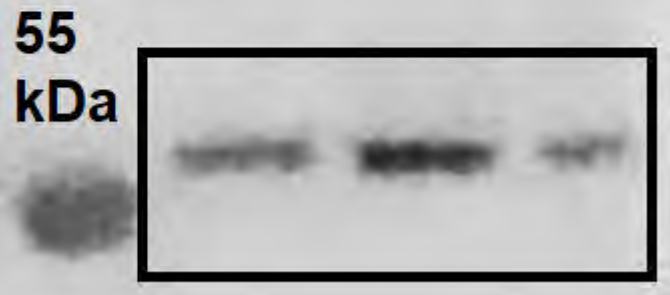


FIGURE 1B
pRBL1/pp107
MSTO-211H

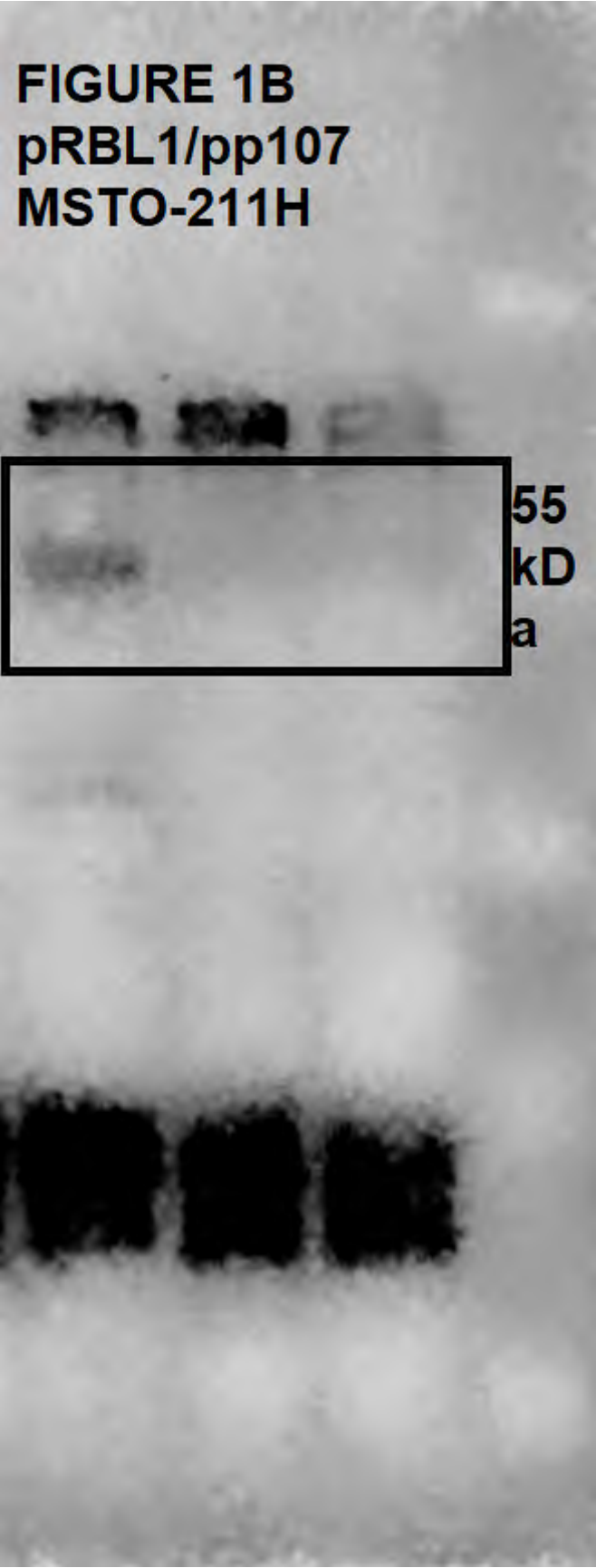
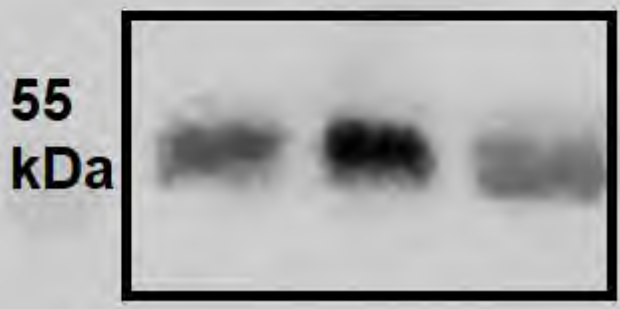


FIGURE 1B
alphaTubulin of
pRBL1/pp107
MSTO-211H



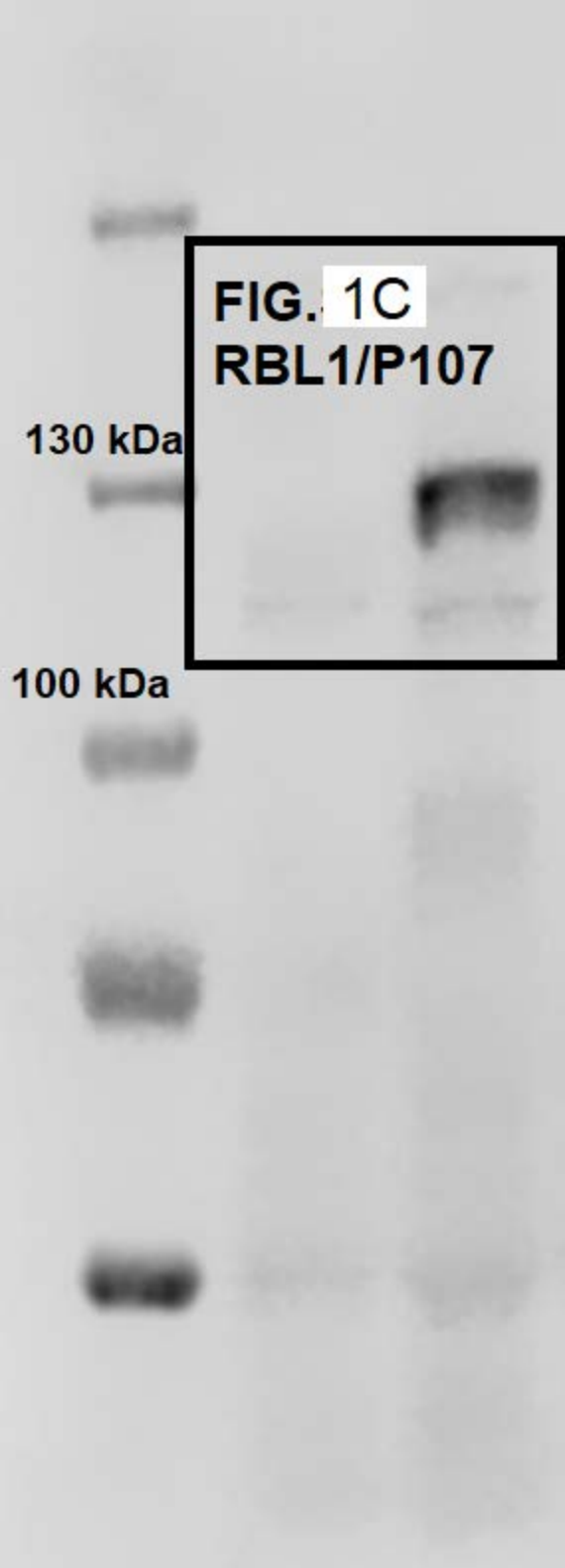


FIG. 1C
RBL1/P107
130 kDa
100 kDa

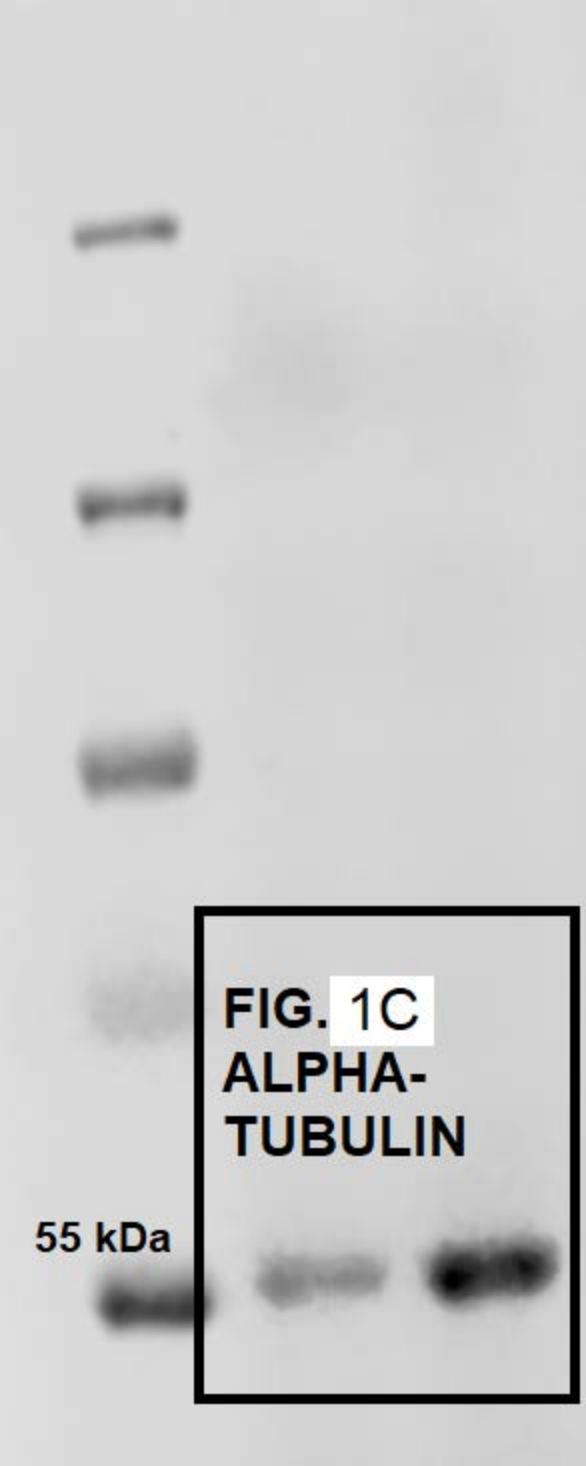


FIG. 1C
ALPHA-
TUBULIN
55 kDa

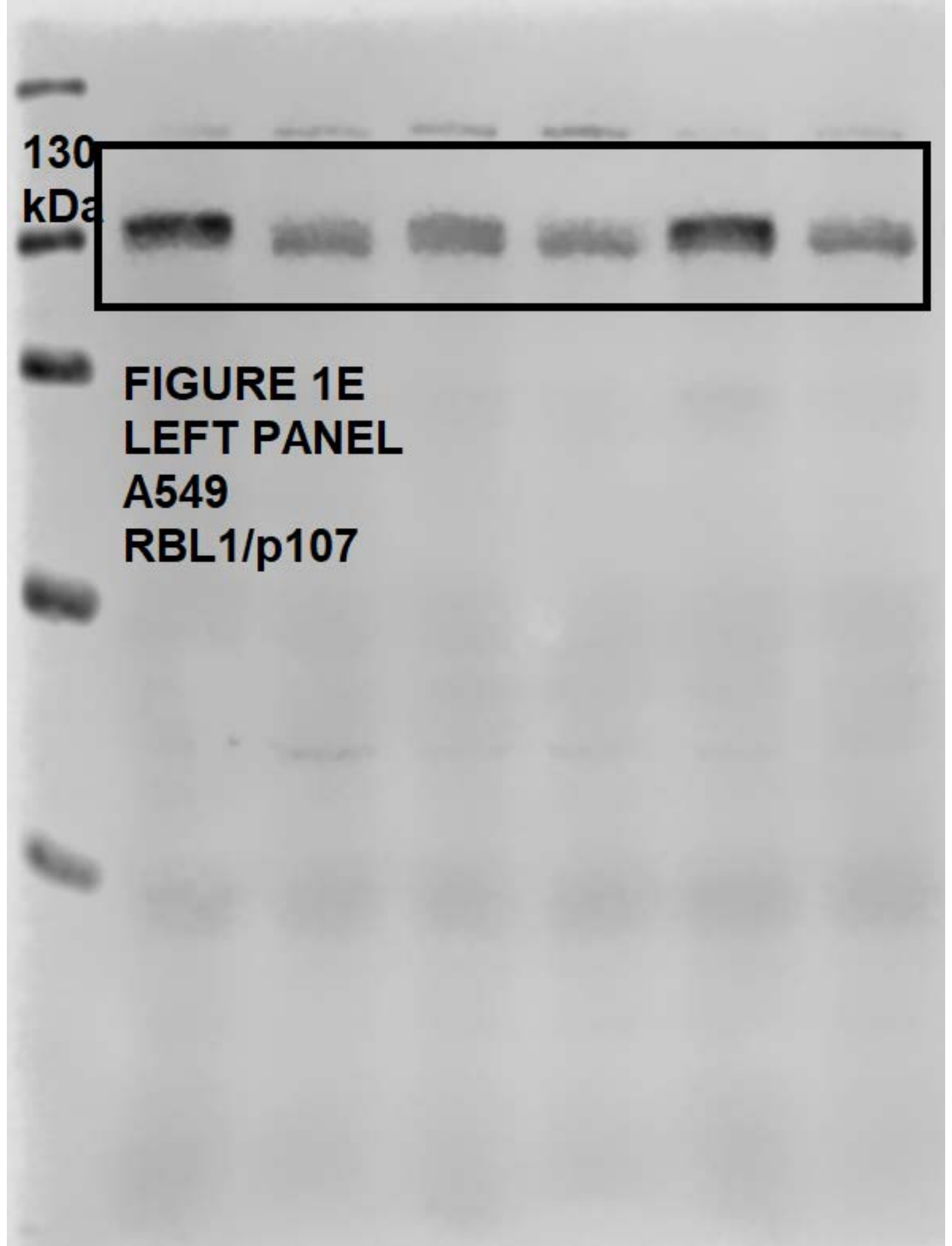


FIGURE 1E
LEFT PANEL
A549
RBL1/p107

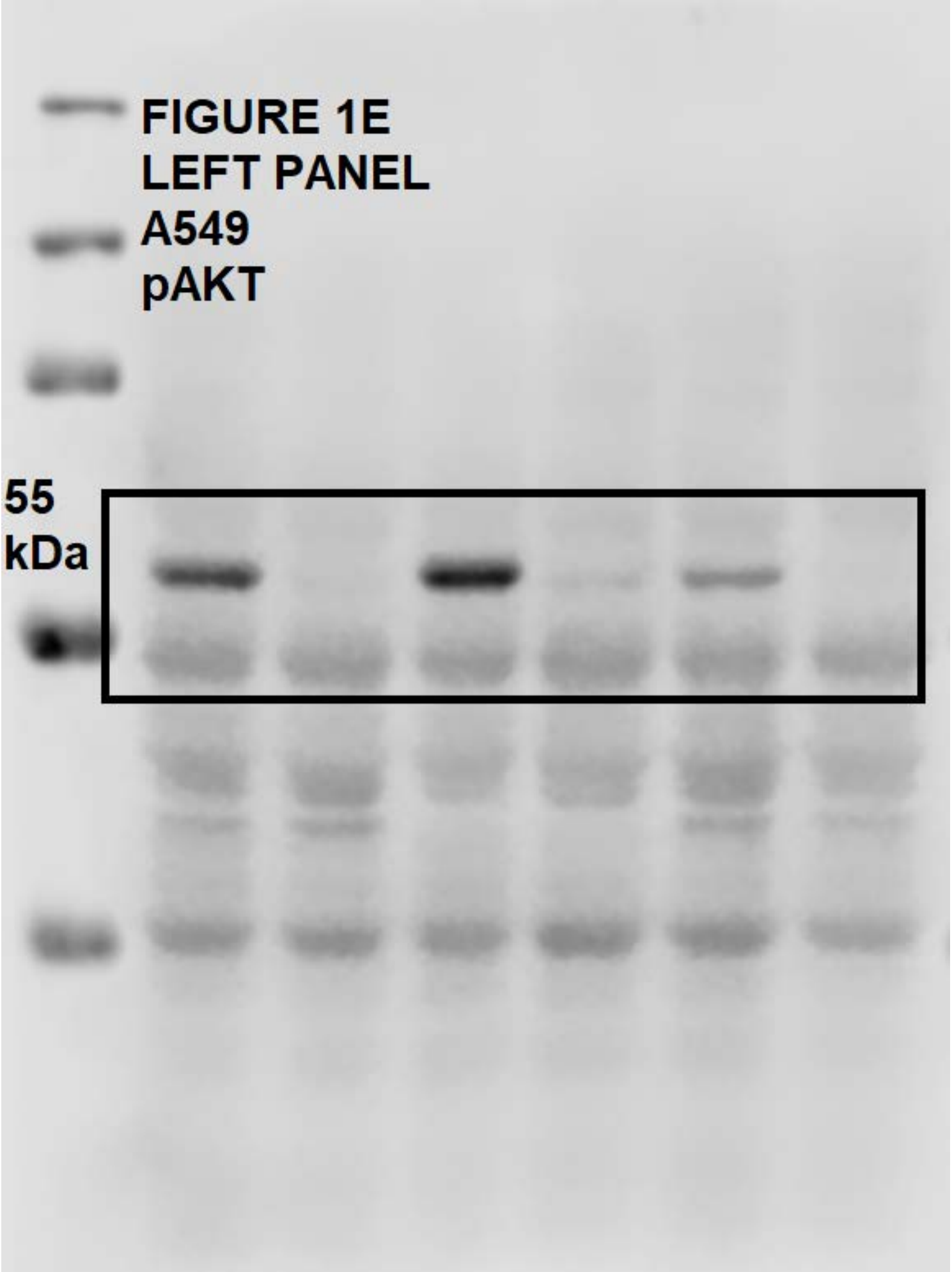


FIGURE 1E
LEFT PANEL
A549
pAKT
55
kDa

FIGURE 1E
LEFT PANEL
A549
AKT

55
kDa

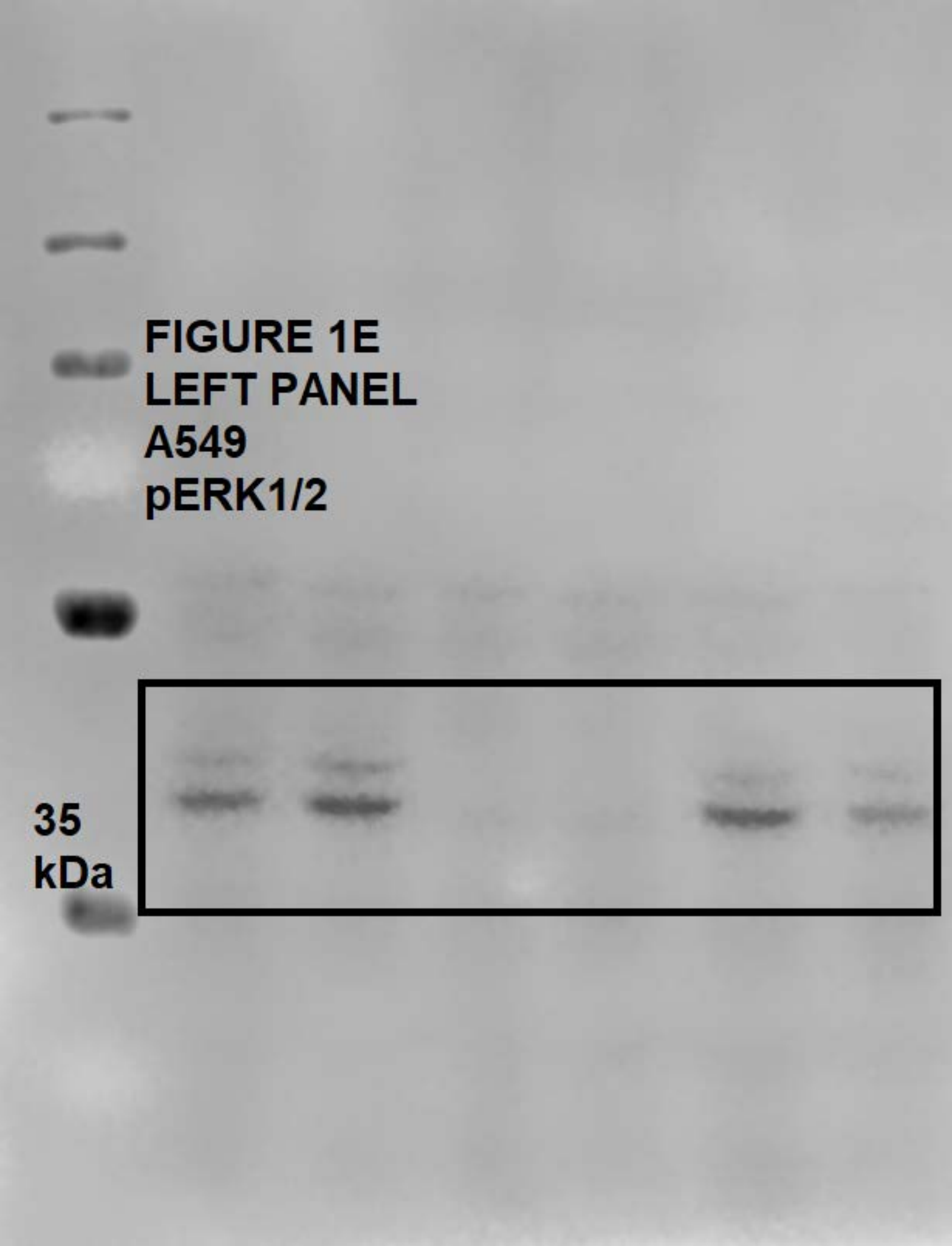
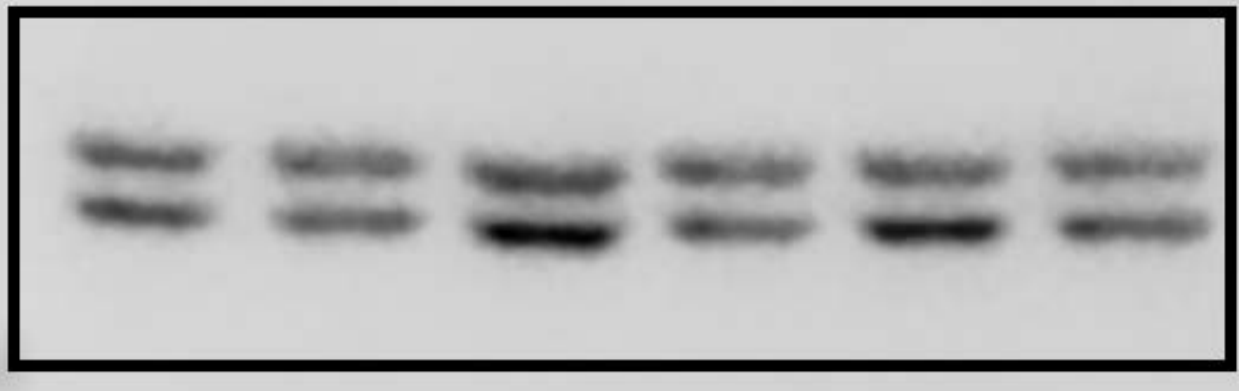


FIGURE 1E
LEFT PANEL
A549
pERK1/2
35
kDa

FIGURE 1E
LEFT PANEL
A549
ERK



35
kDa

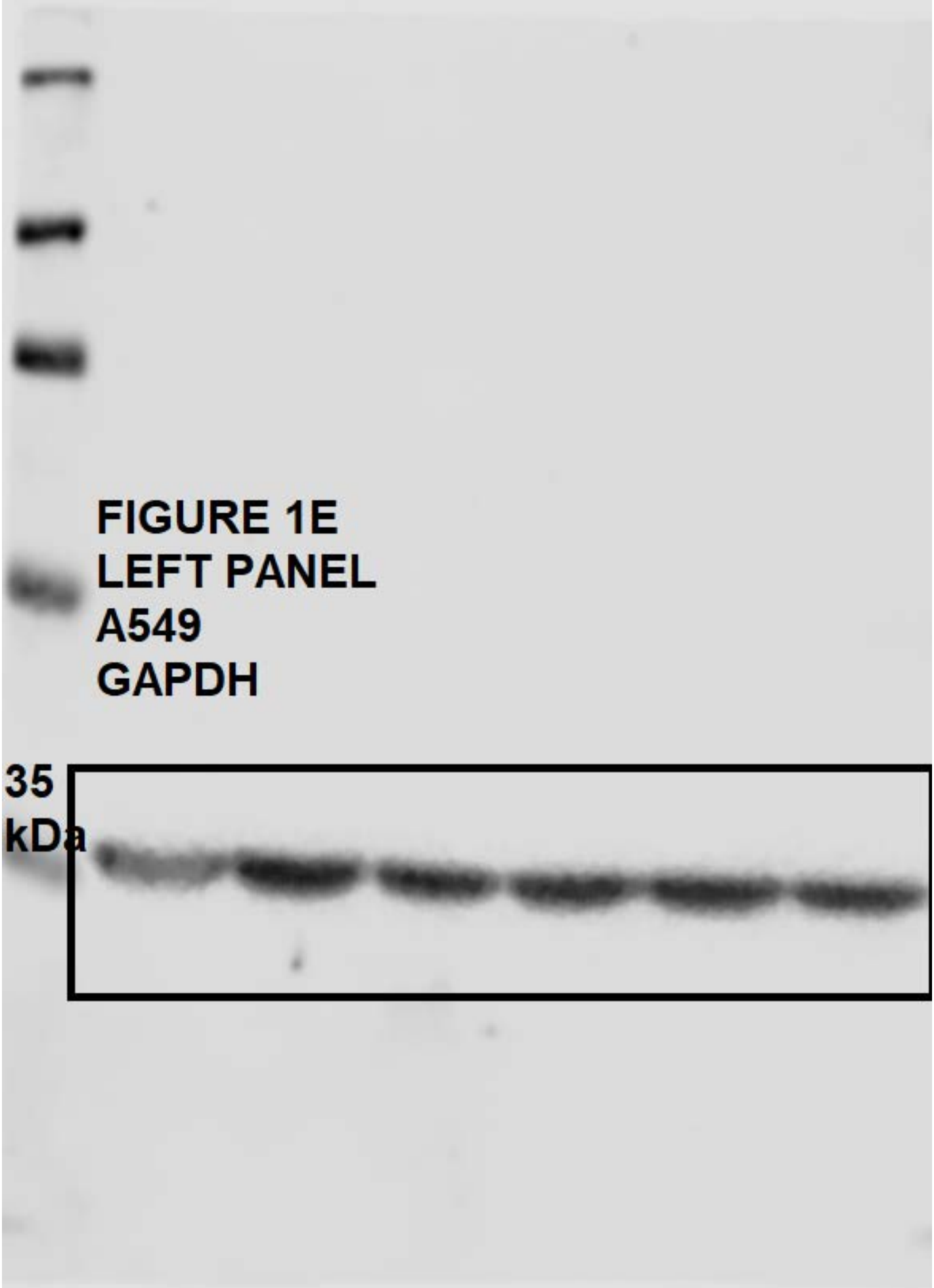
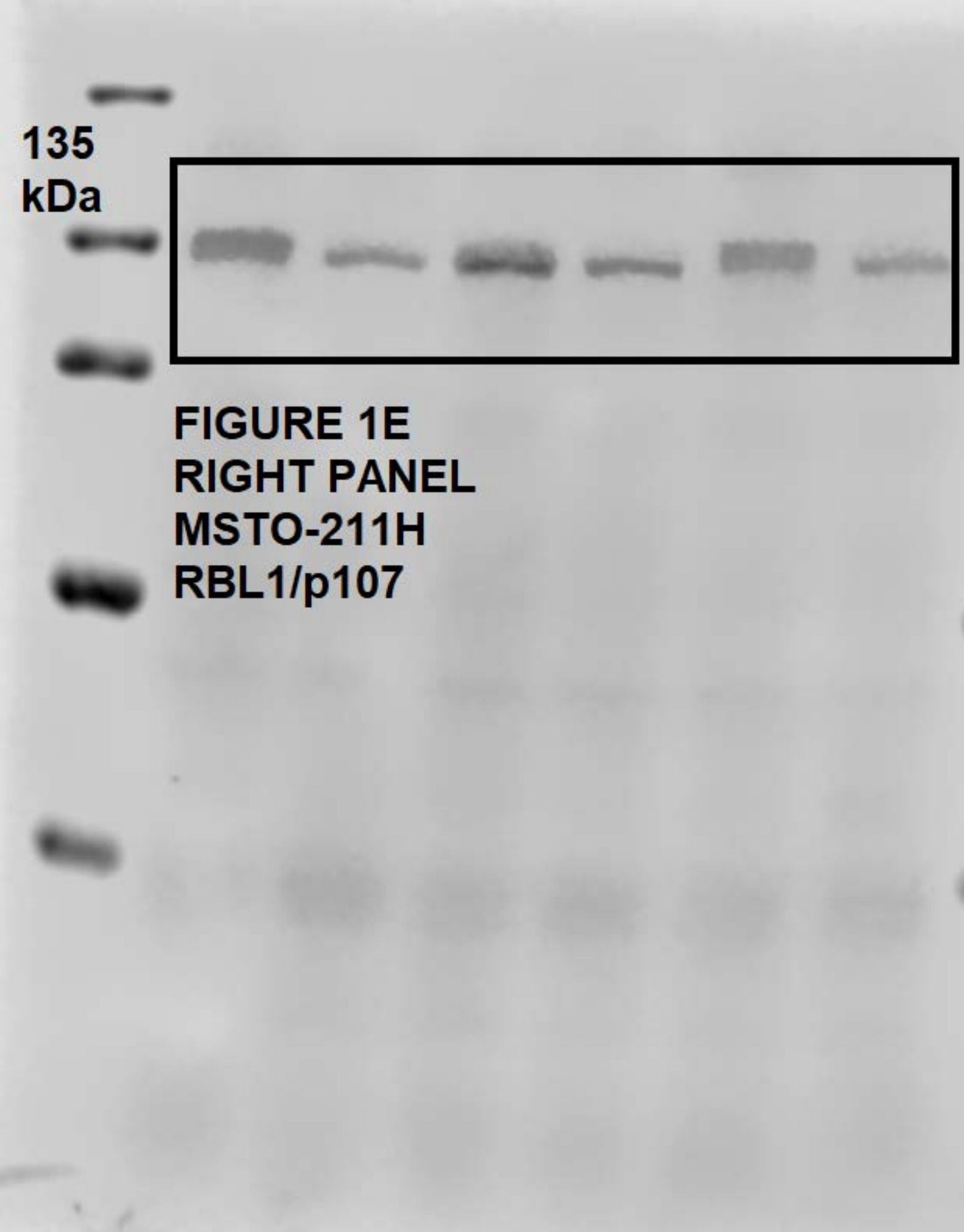


FIGURE 1E
LEFT PANEL
A549
GAPDH
35
kDa


135
kDa
FIGURE 1E
RIGHT PANEL
MSTO-211H
RBL1/p107

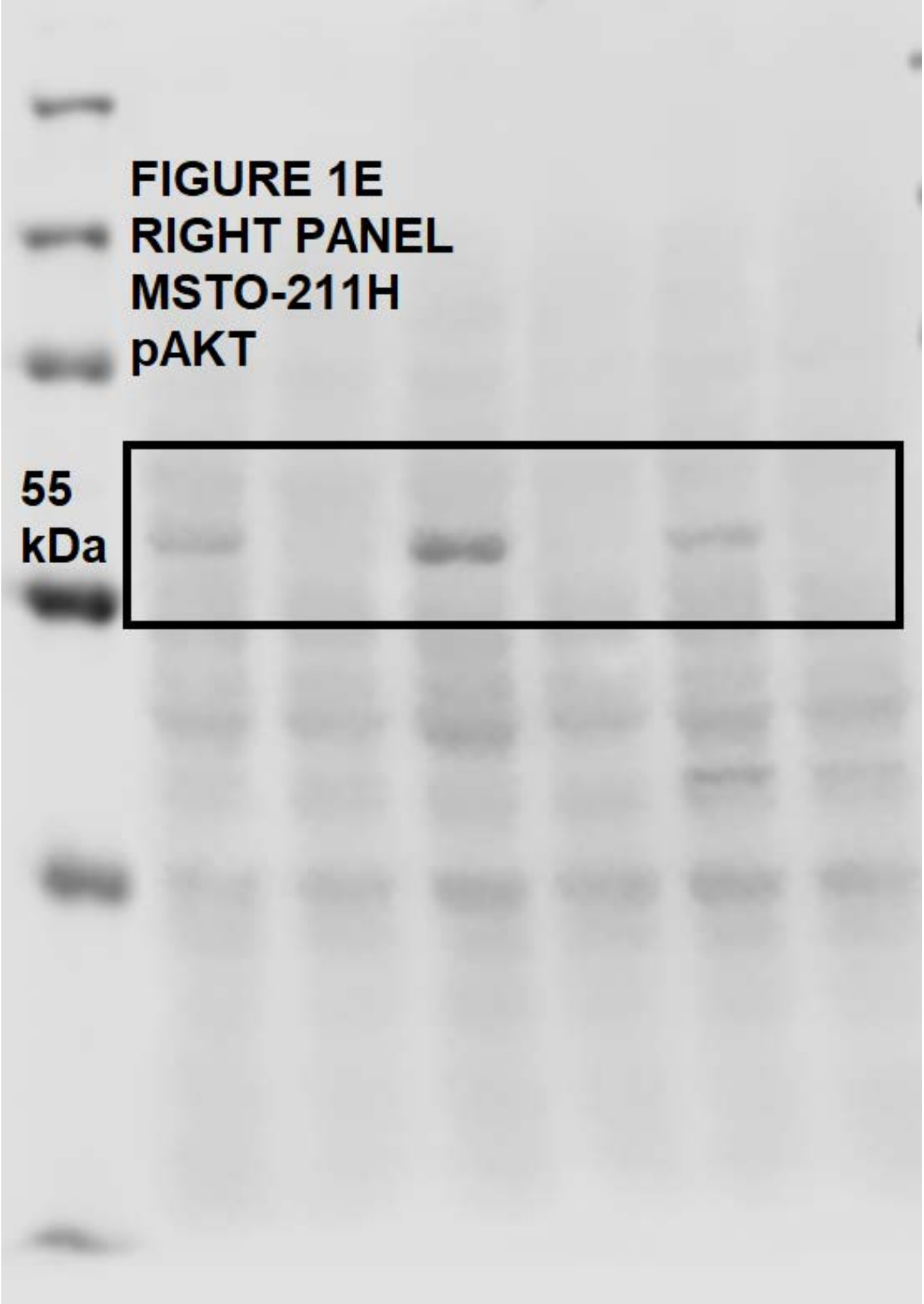
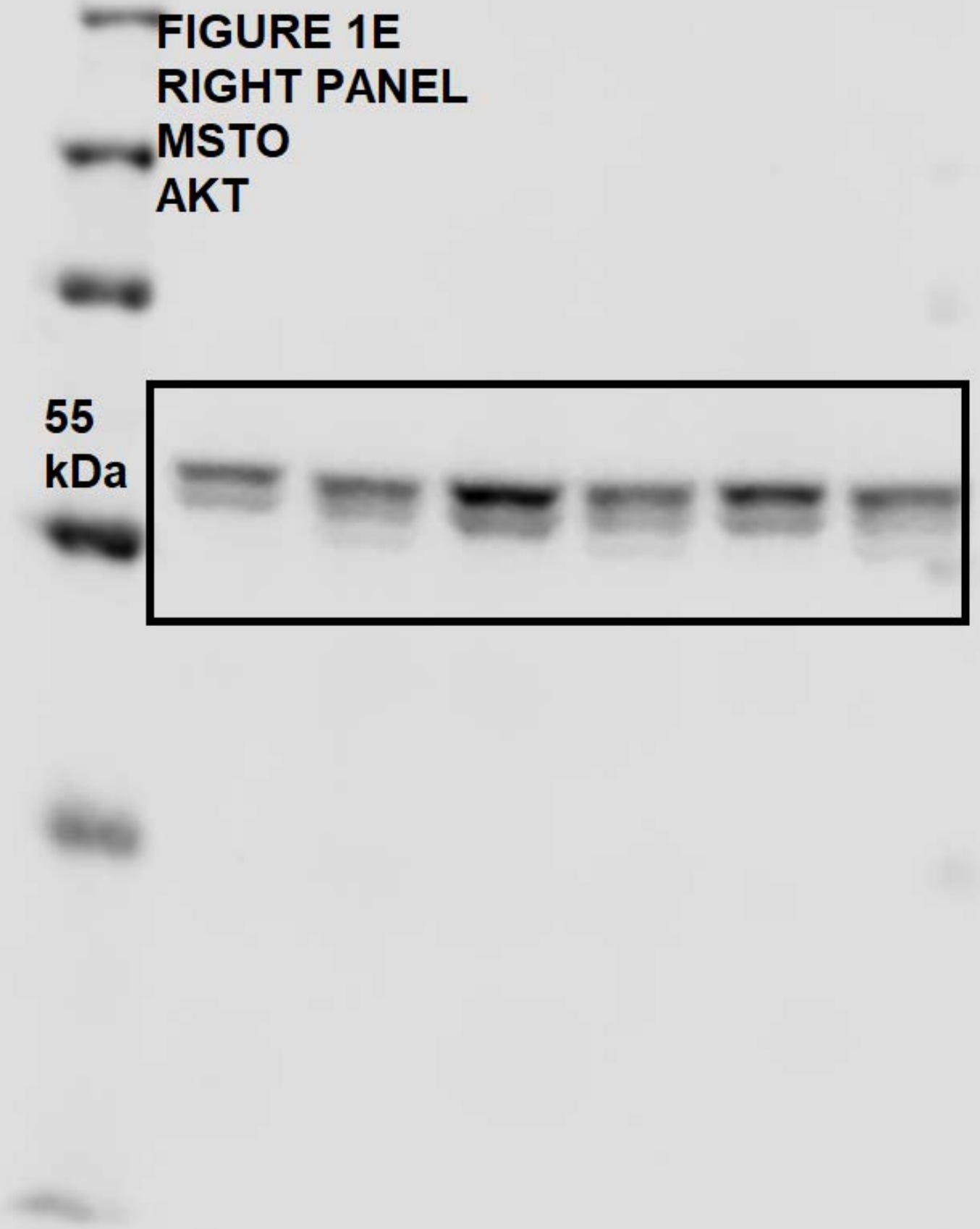


FIGURE 1E
RIGHT PANEL
MSTO-211H
pAKT
55
kDa

FIGURE 1E
RIGHT PANEL
MSTO
AKT



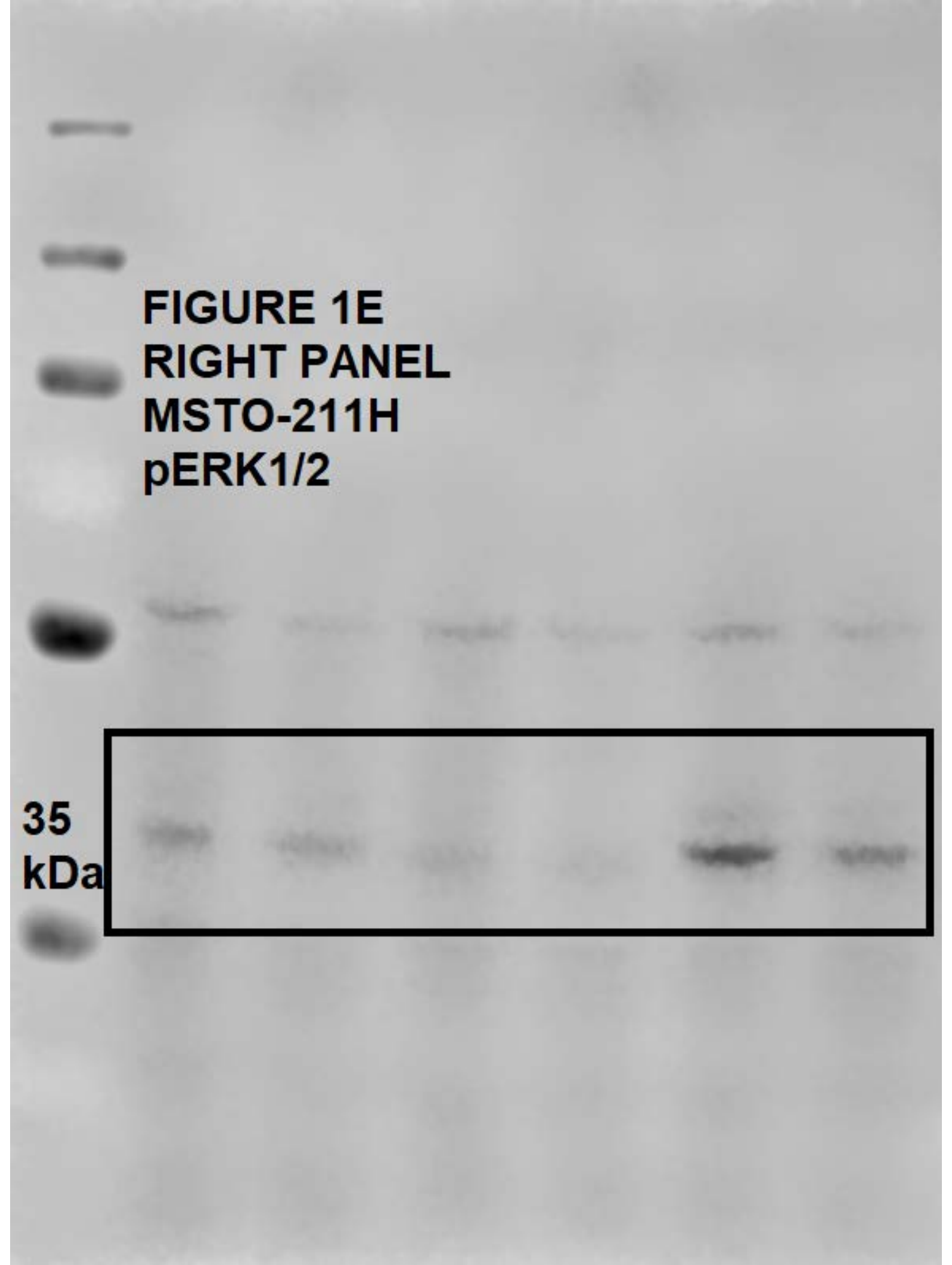
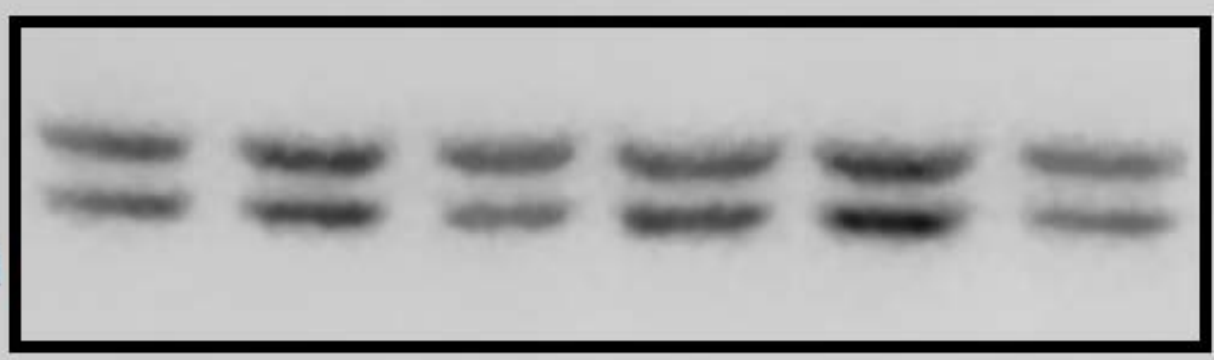


FIGURE 1E
RIGHT PANEL
MSTO-211H
pERK1/2
35
kDa

FIGURE 1E
RIGHT PANEL
MSTO
ERK



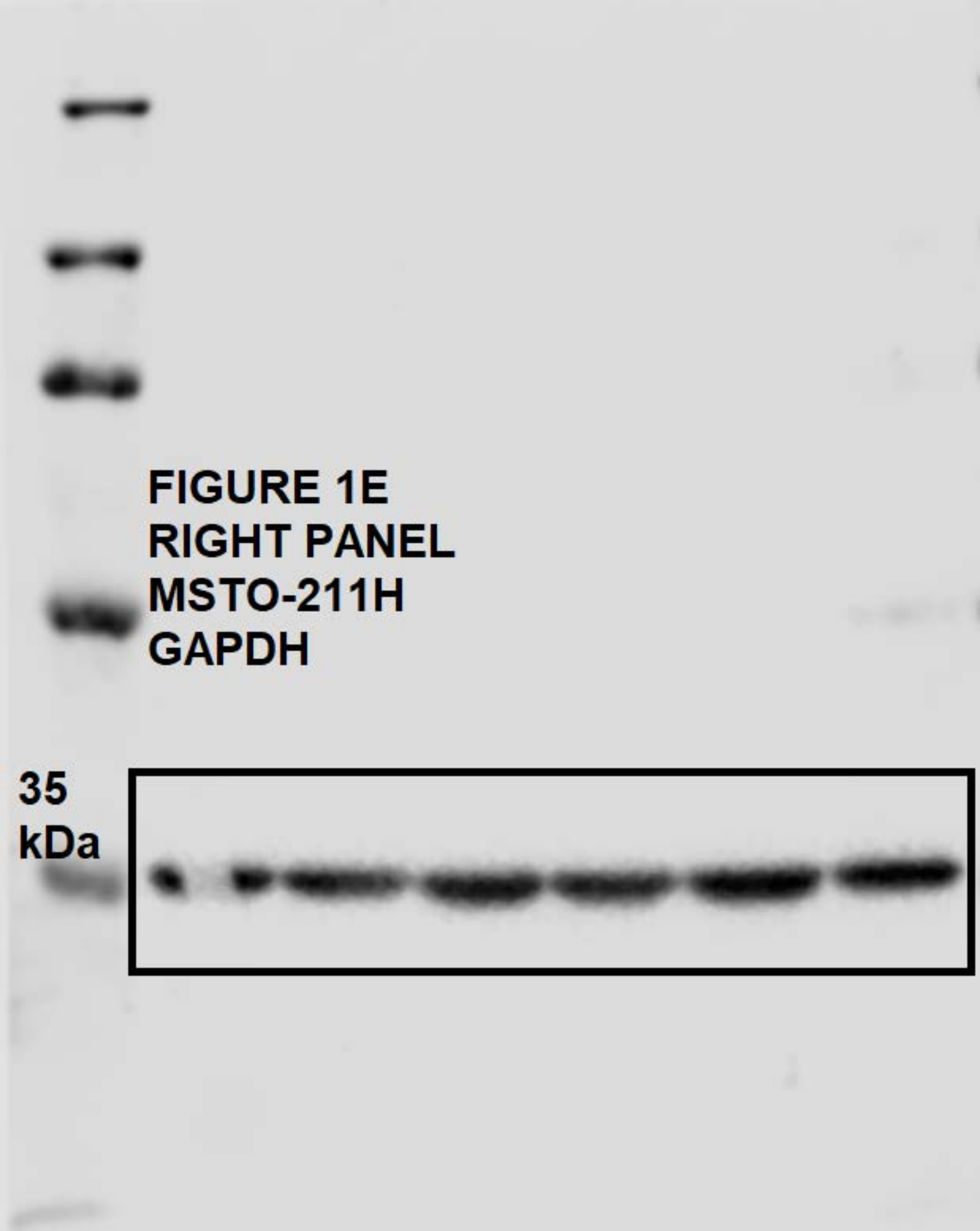


FIGURE 1E
RIGHT PANEL
MSTO-211H
GAPDH
35
kDa

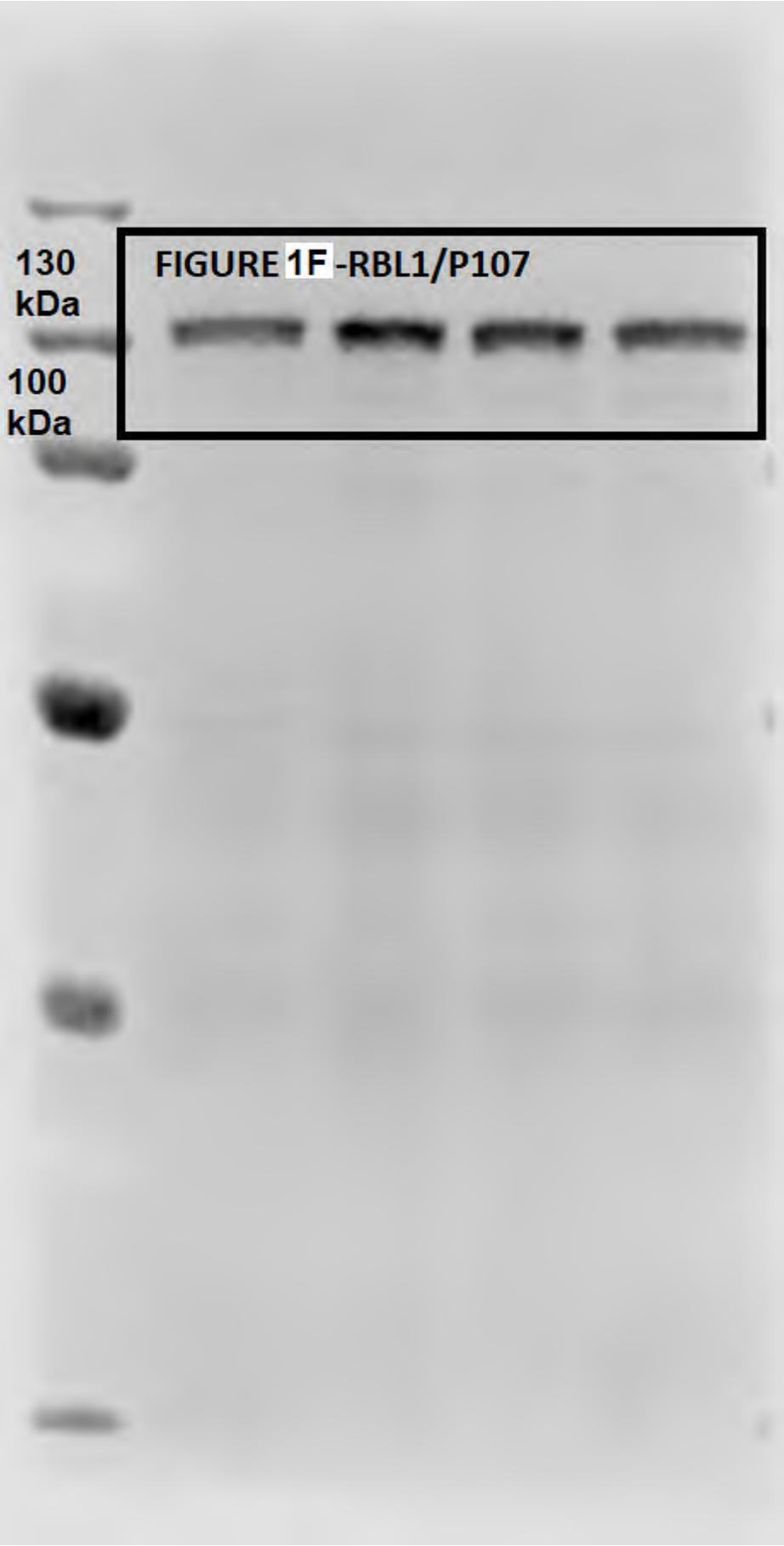
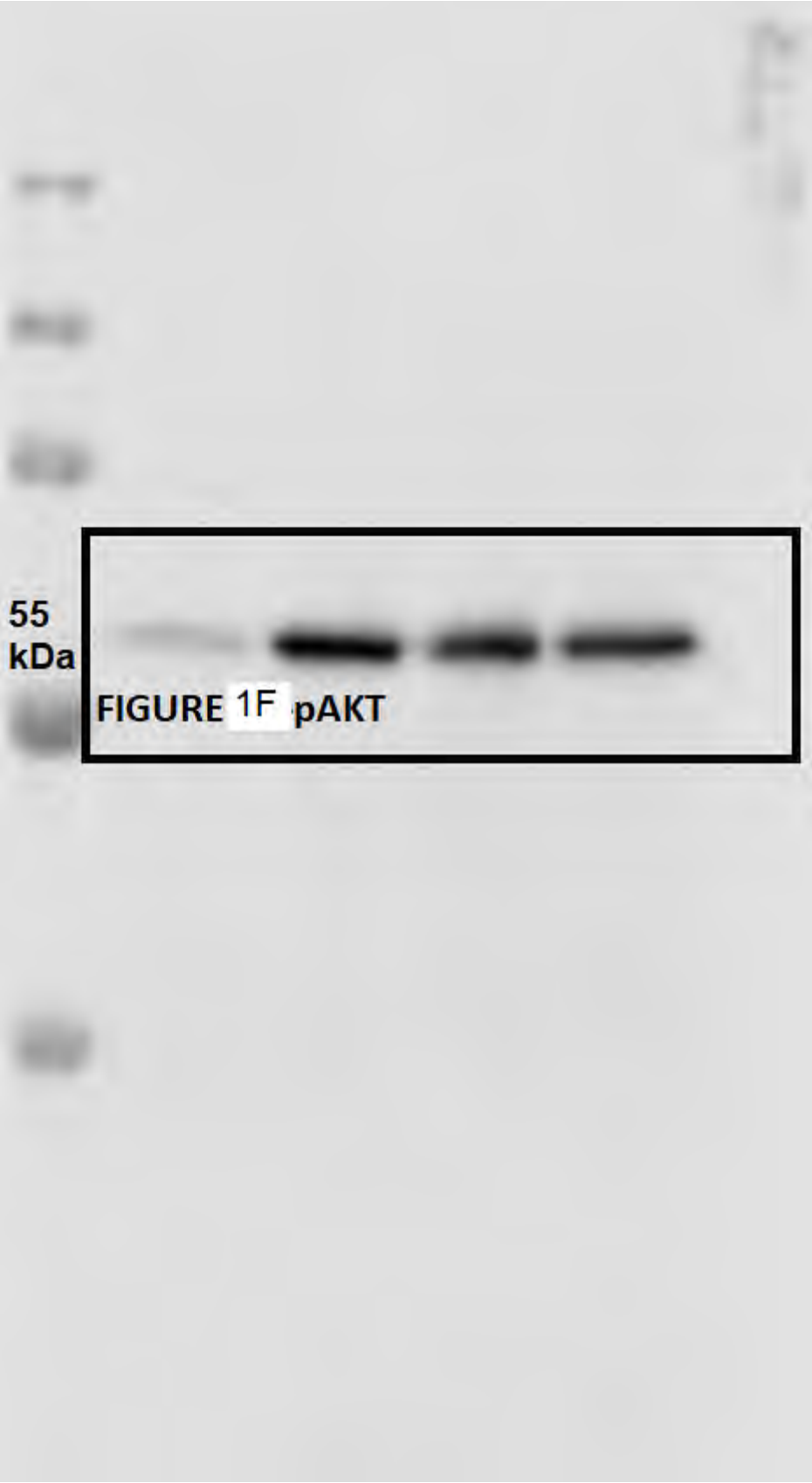
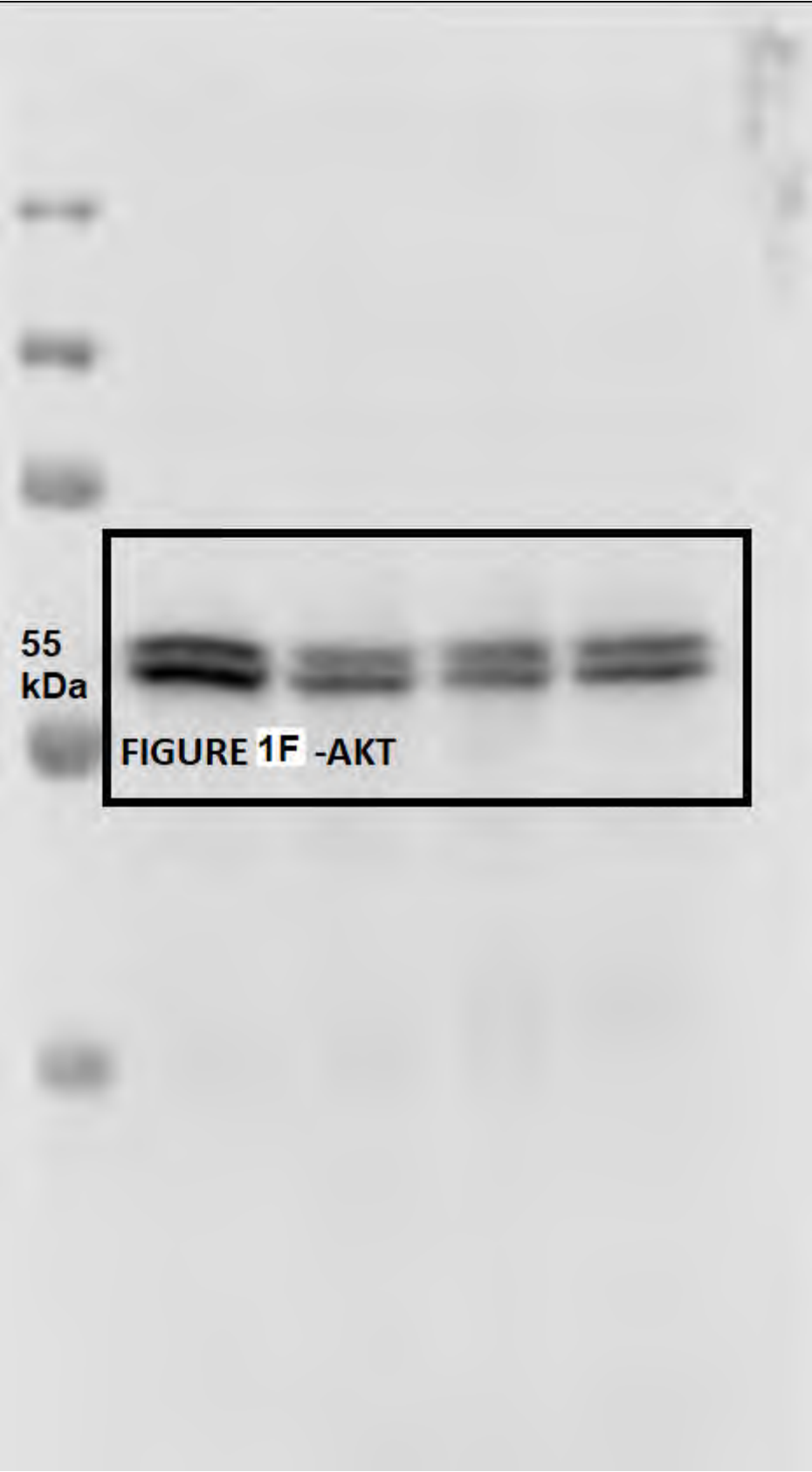
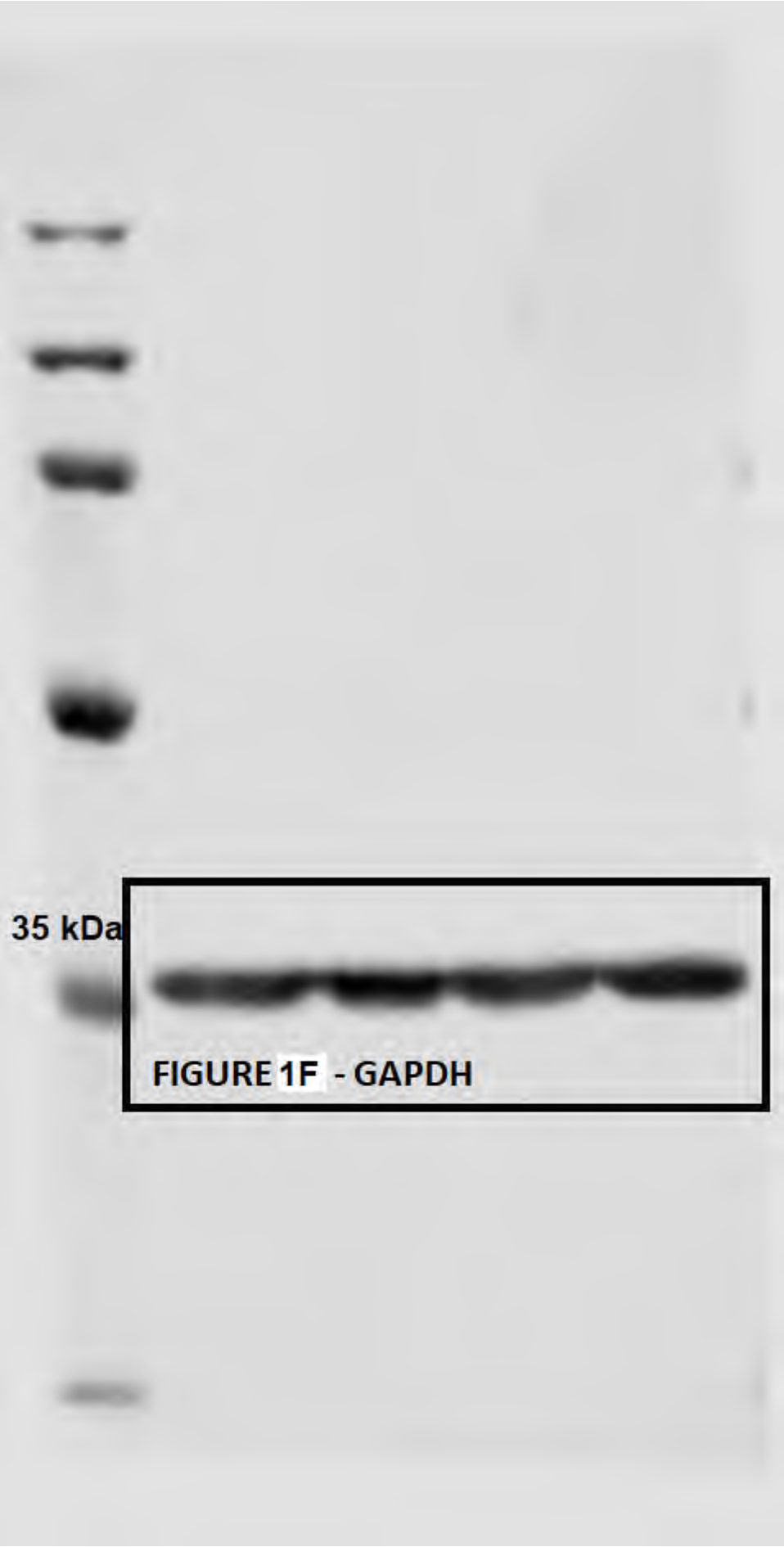
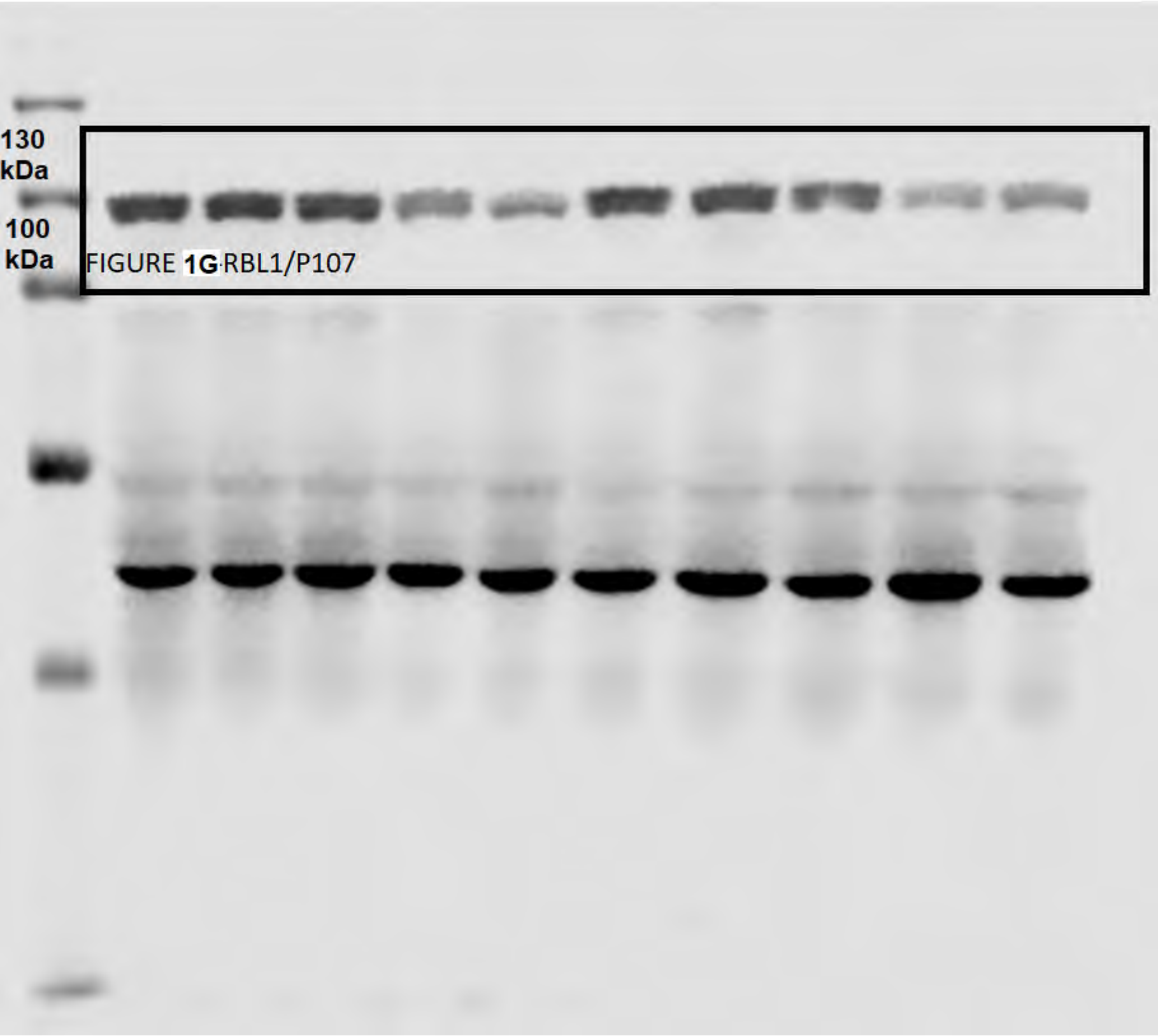


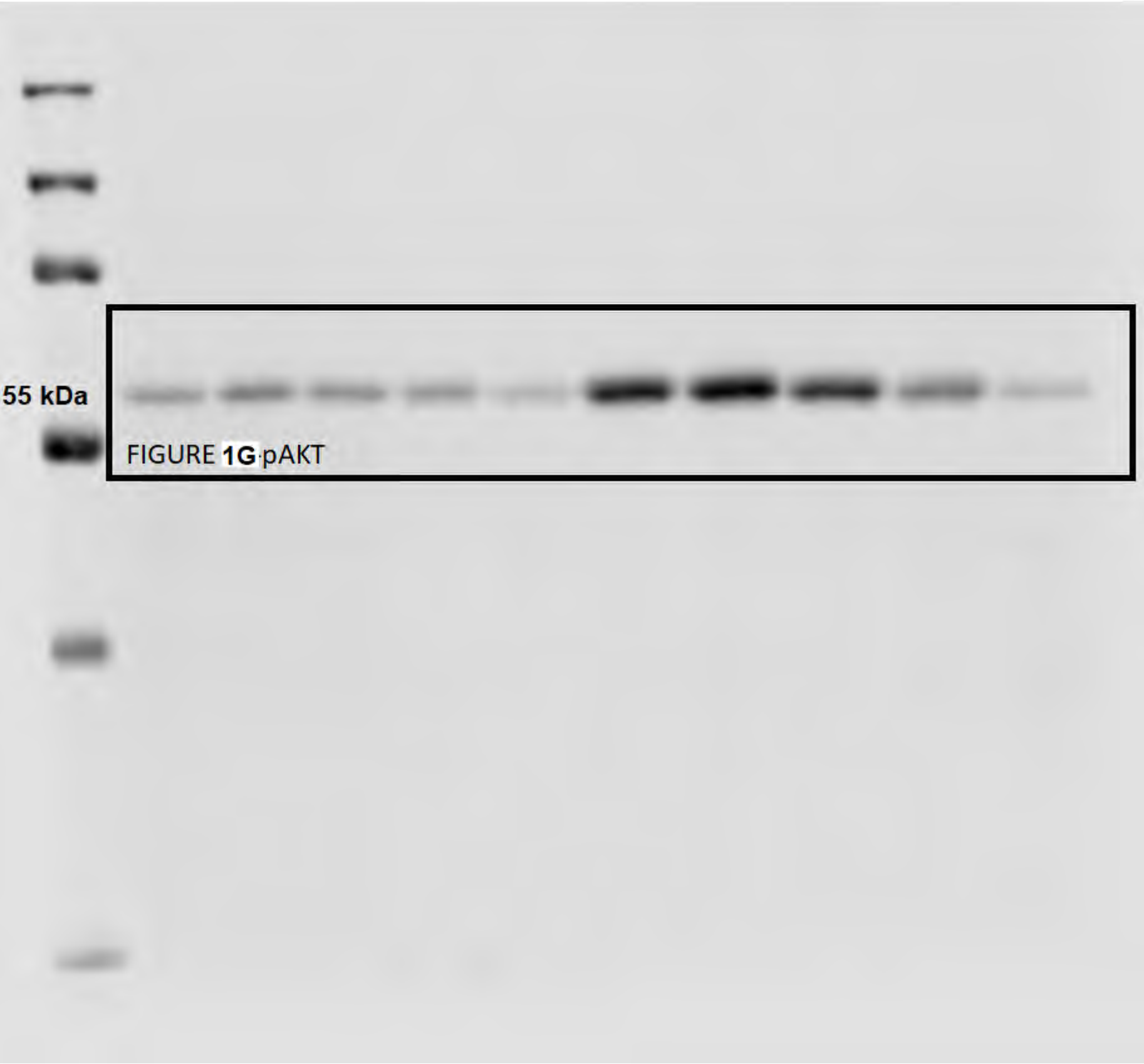
FIGURE 1F -RBL1/P107
130 kDa
100 kDa

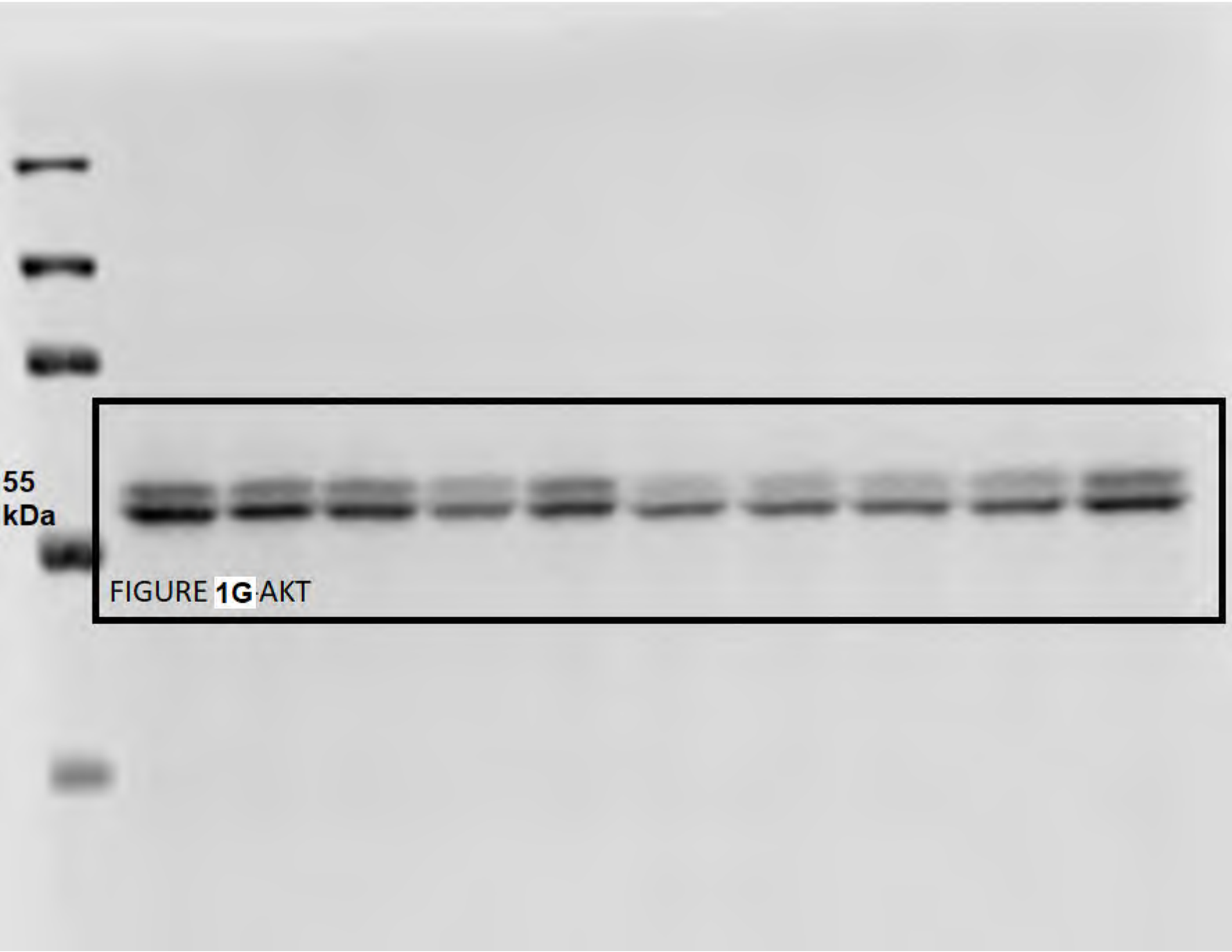

55
kDa
FIGURE 1F pAKT


55
kDa
FIGURE 1F -AKT


35 kDa
FIGURE 1F - GAPDH


130 kDa
100 kDa
FIGURE 1G RBL1/P107


55 kDa
FIGURE 1G pAKT


55
kDa
FIGURE 1G AKT

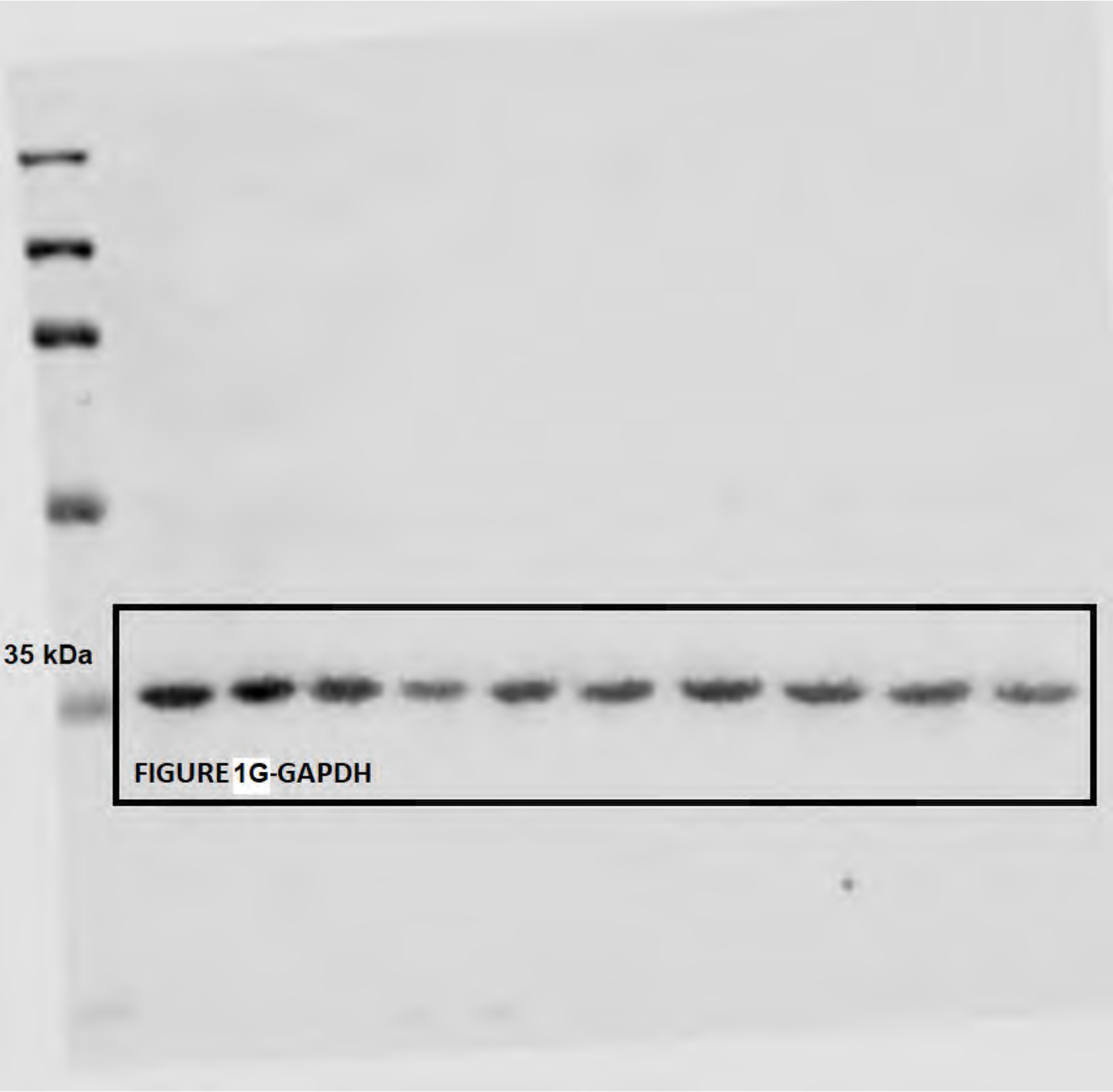
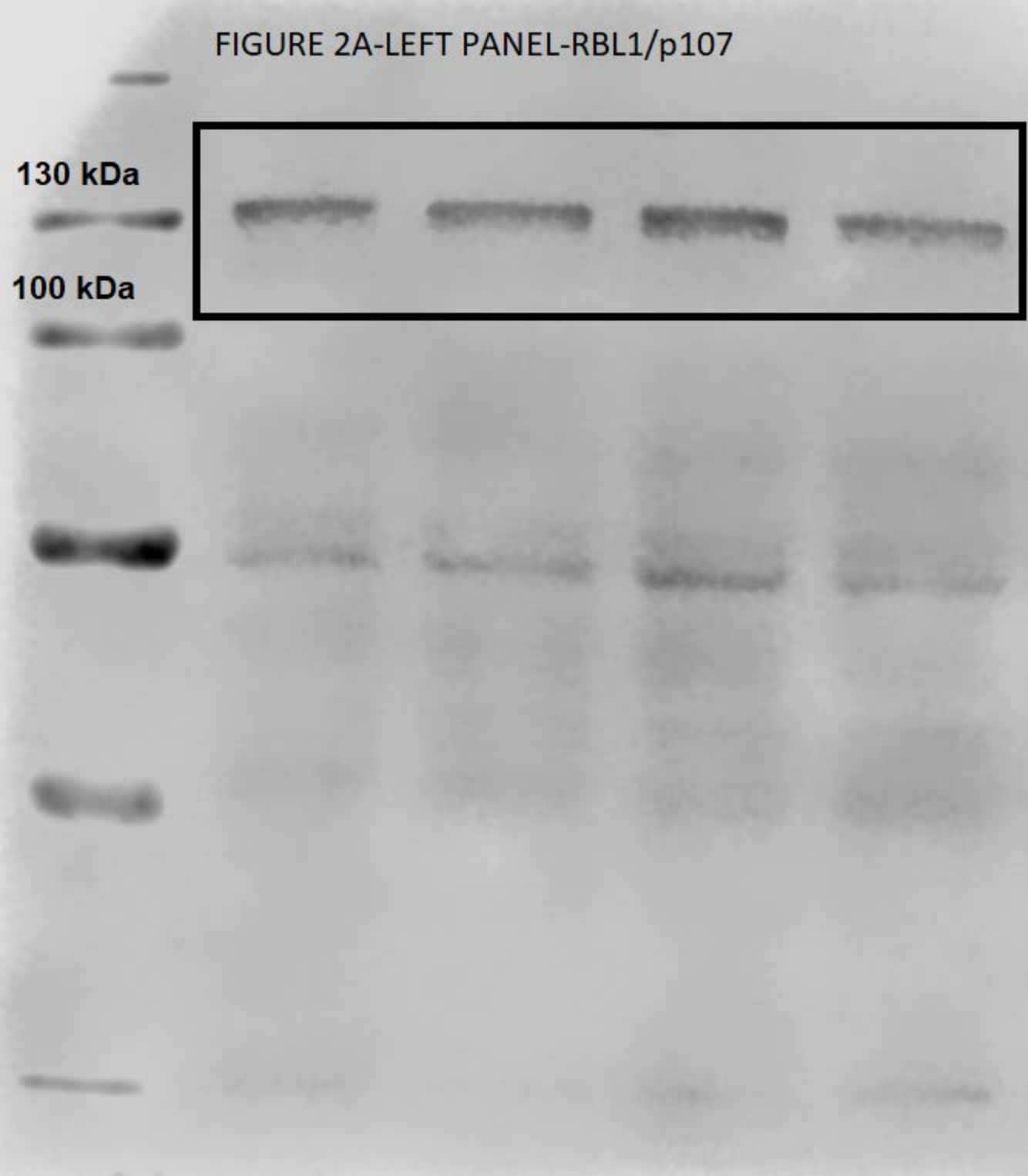

35 kDa
FIGURE 1G-GAPDH

FIGURE 2A-LEFT PANEL-RBL1/p107



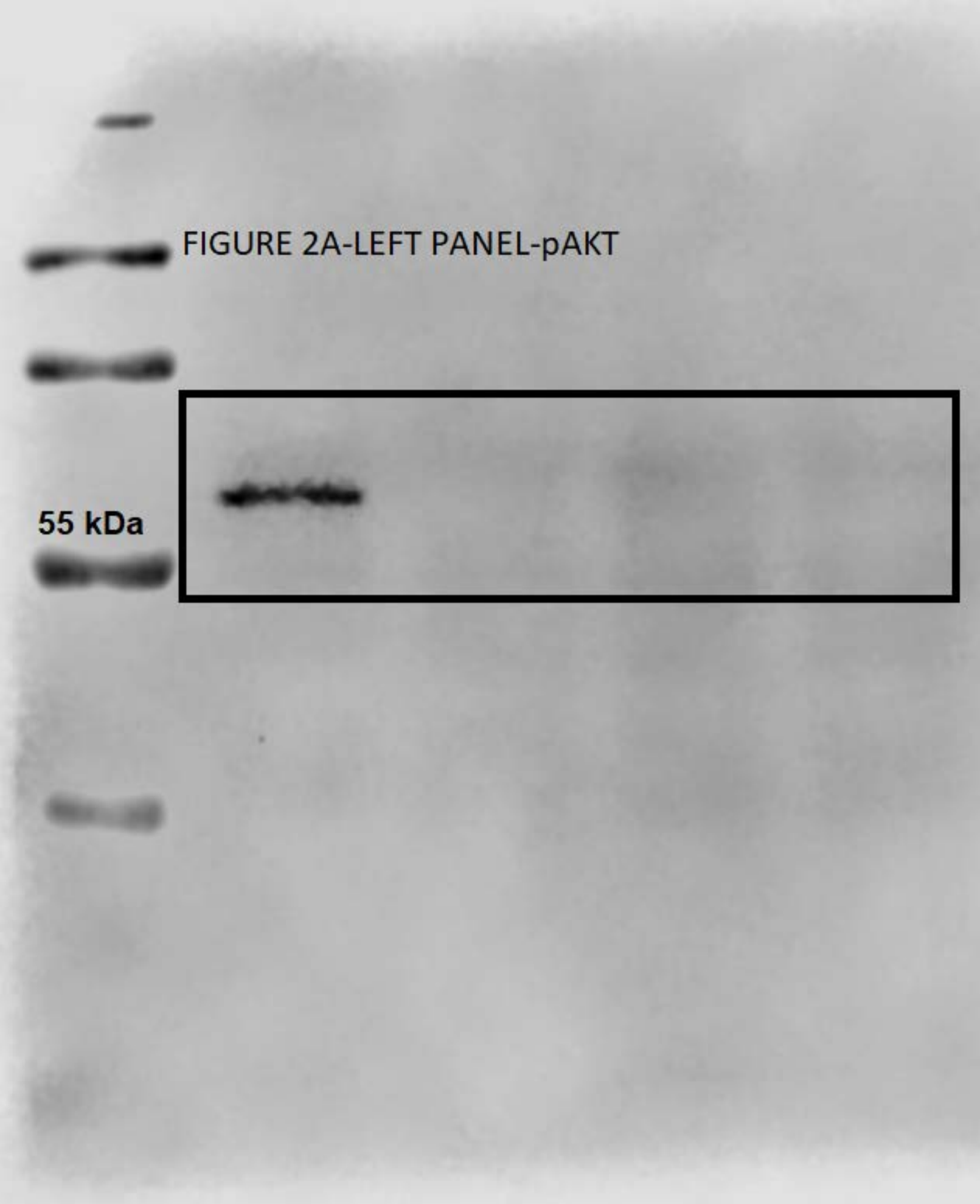


FIGURE 2A-LEFT PANEL-pAKT
55 kDa

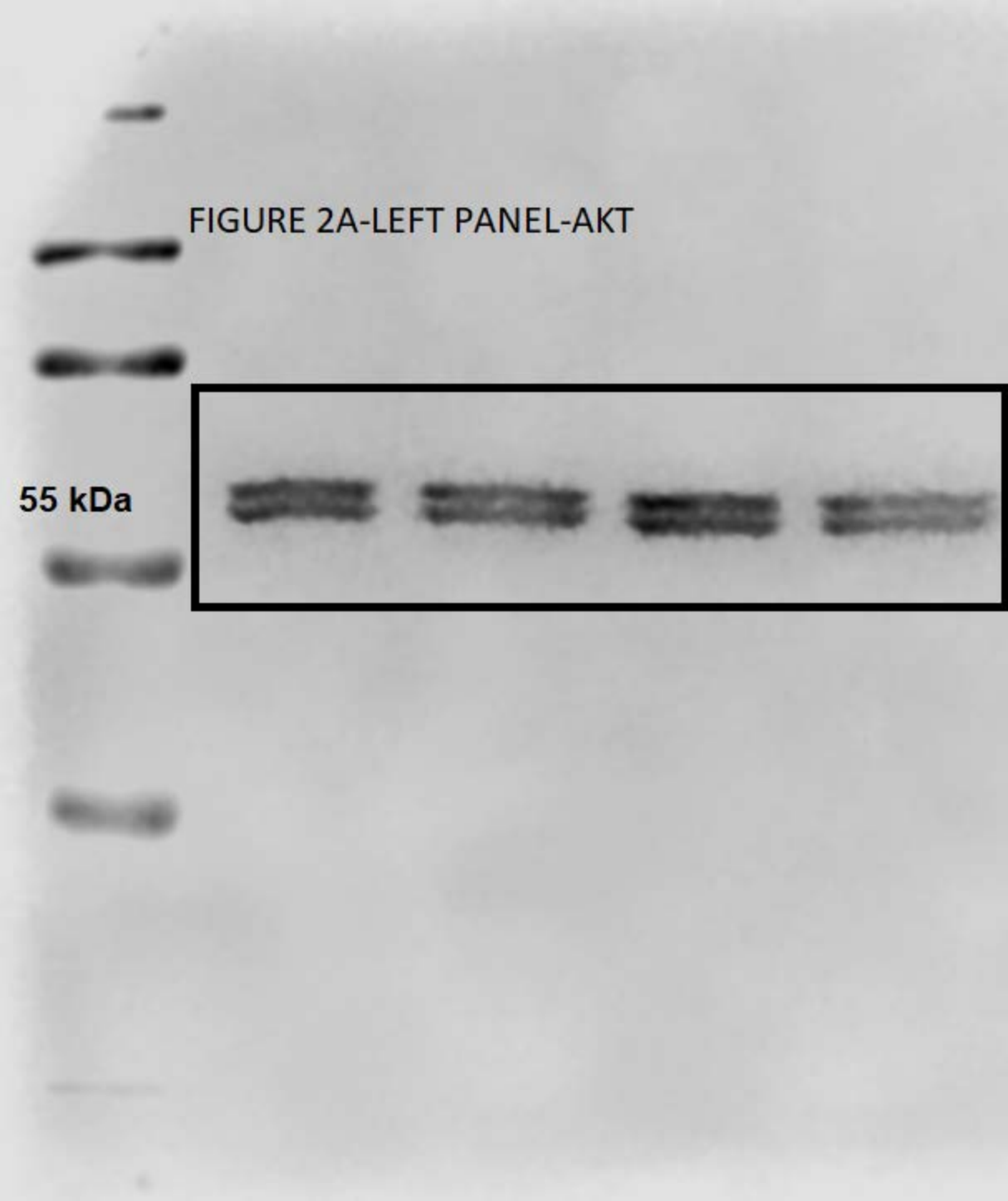


FIGURE 2A-LEFT PANEL-AKT
55 kDa

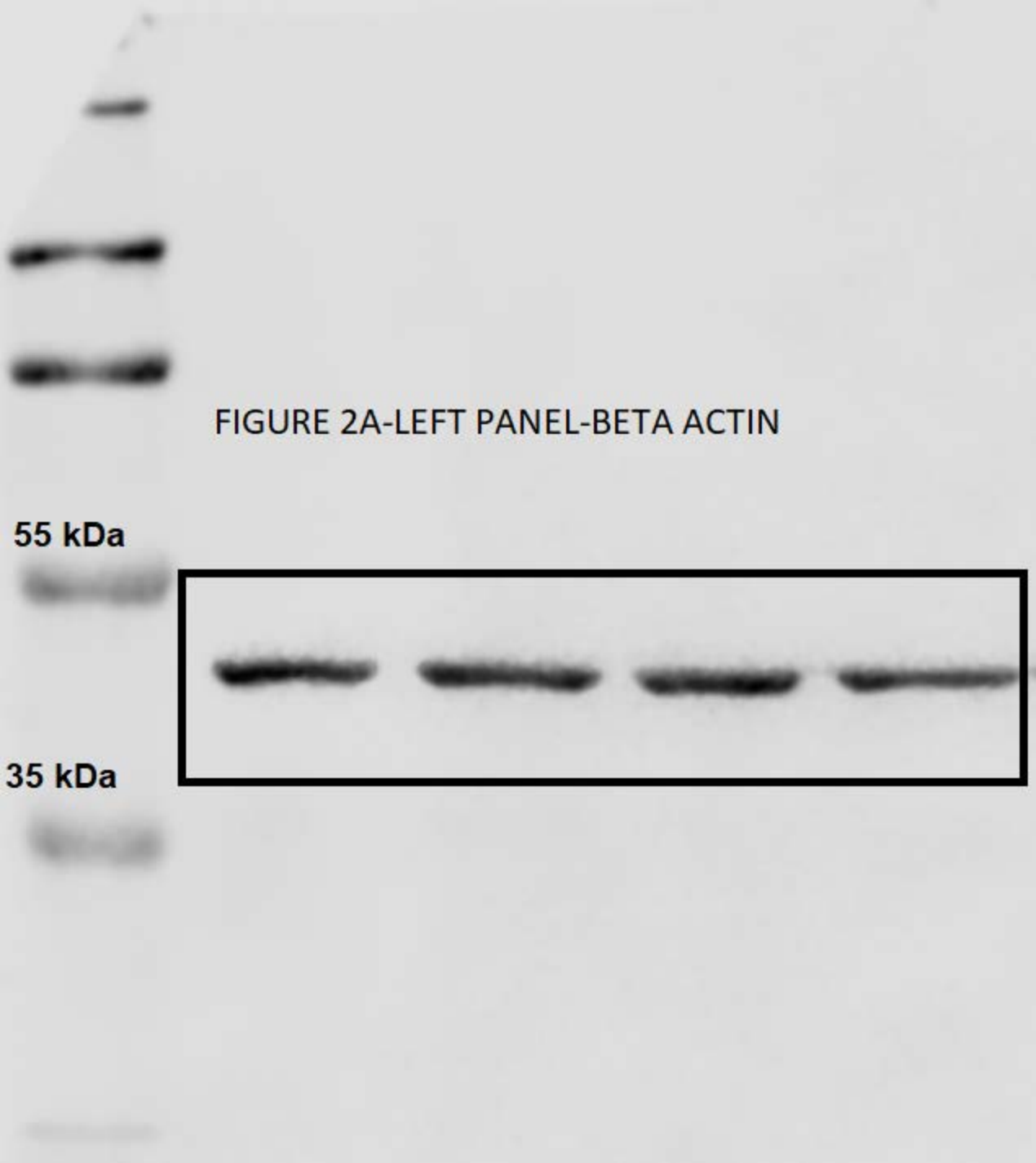


FIGURE 2A-LEFT PANEL-BETA ACTIN
55 kDa
35 kDa

FIGURE 2A-RIGHT PANEL-RBL1/p107

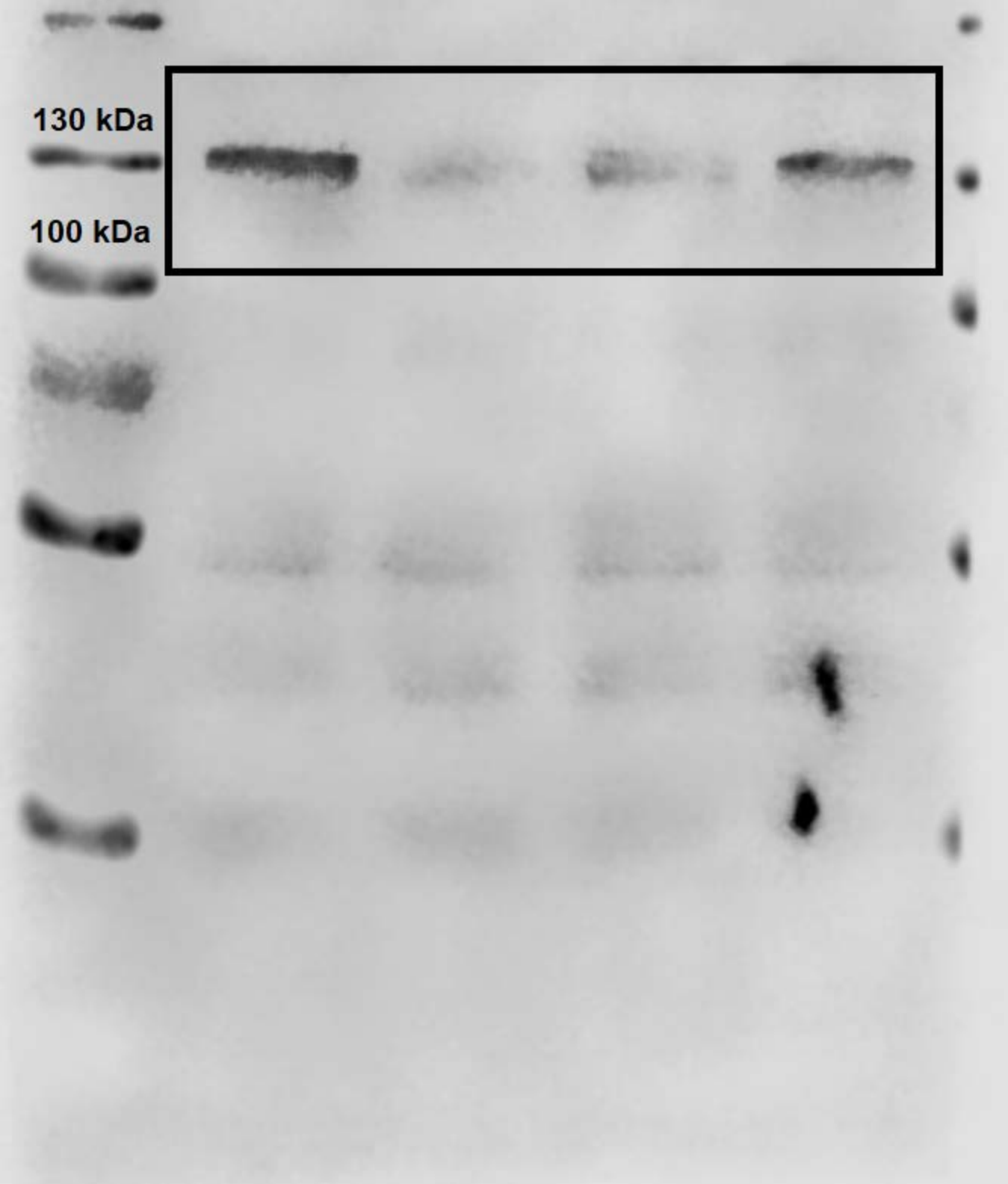


FIGURE 2A-RIGHT PANEL-pAKT

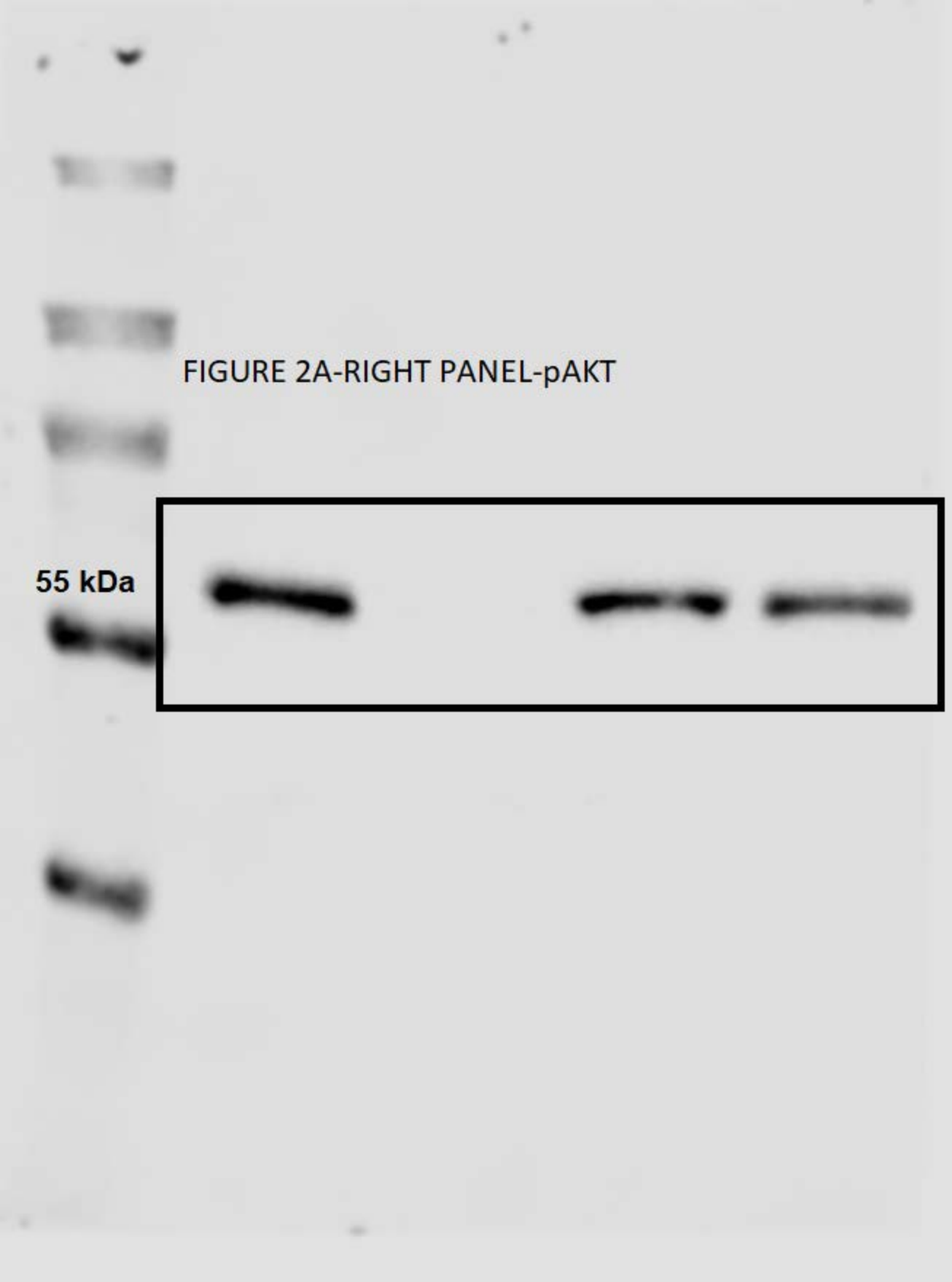
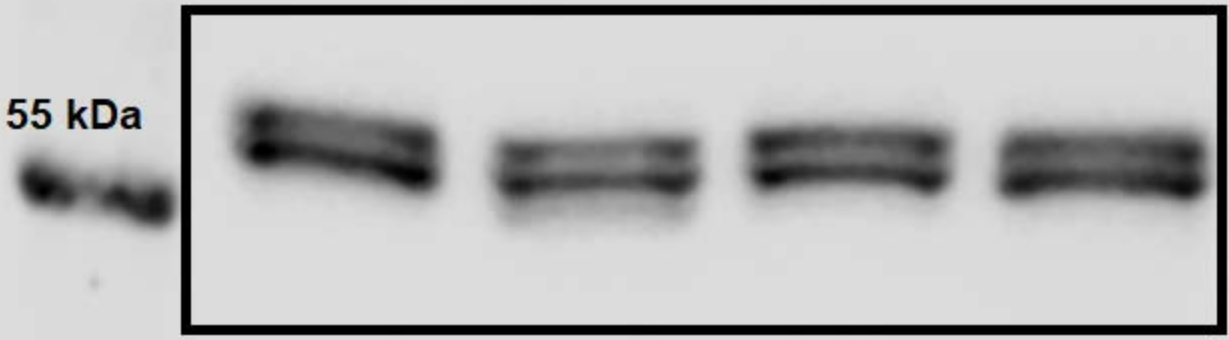


FIGURE 2A-RIGHT PANEL-AKT



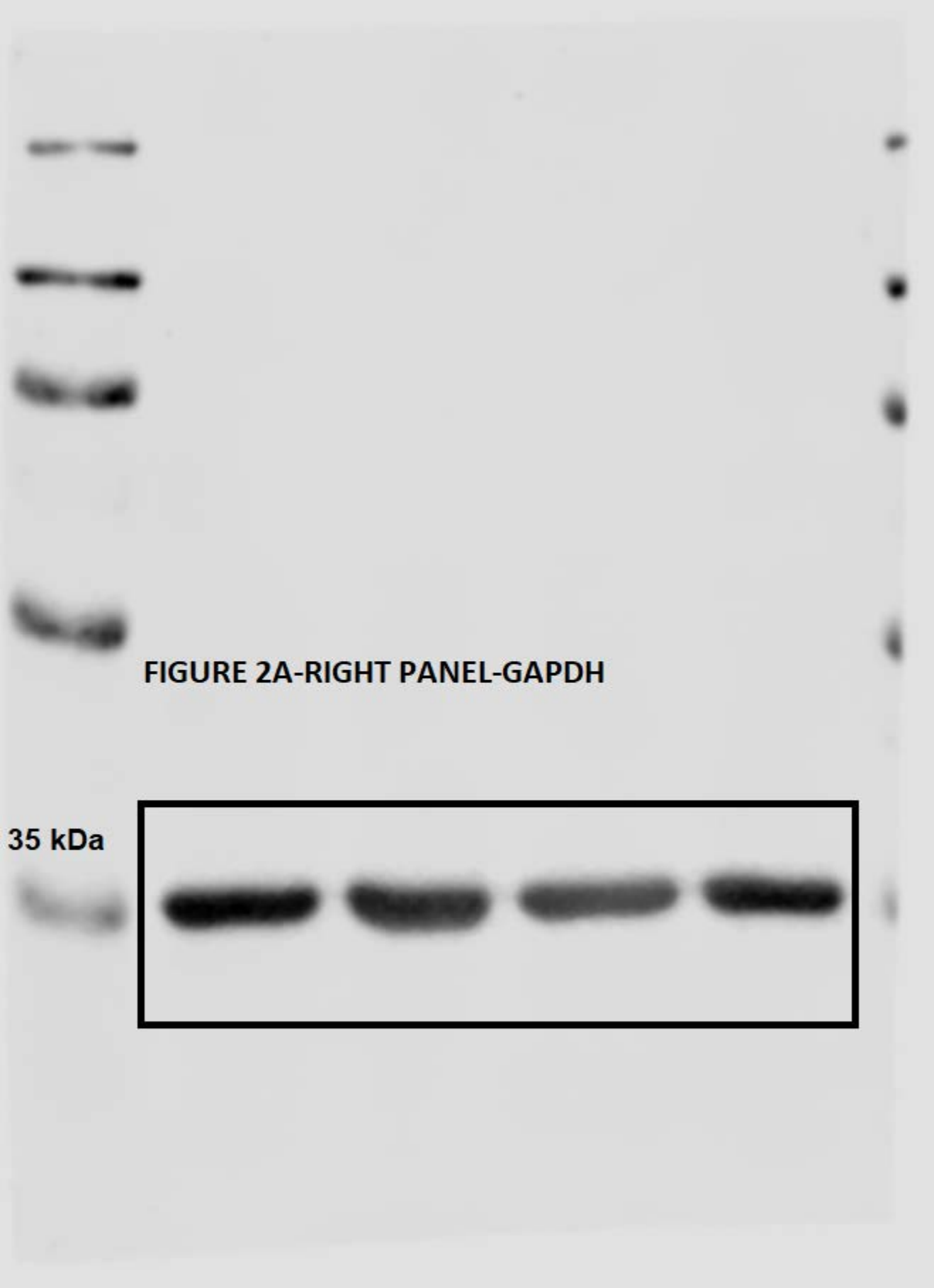
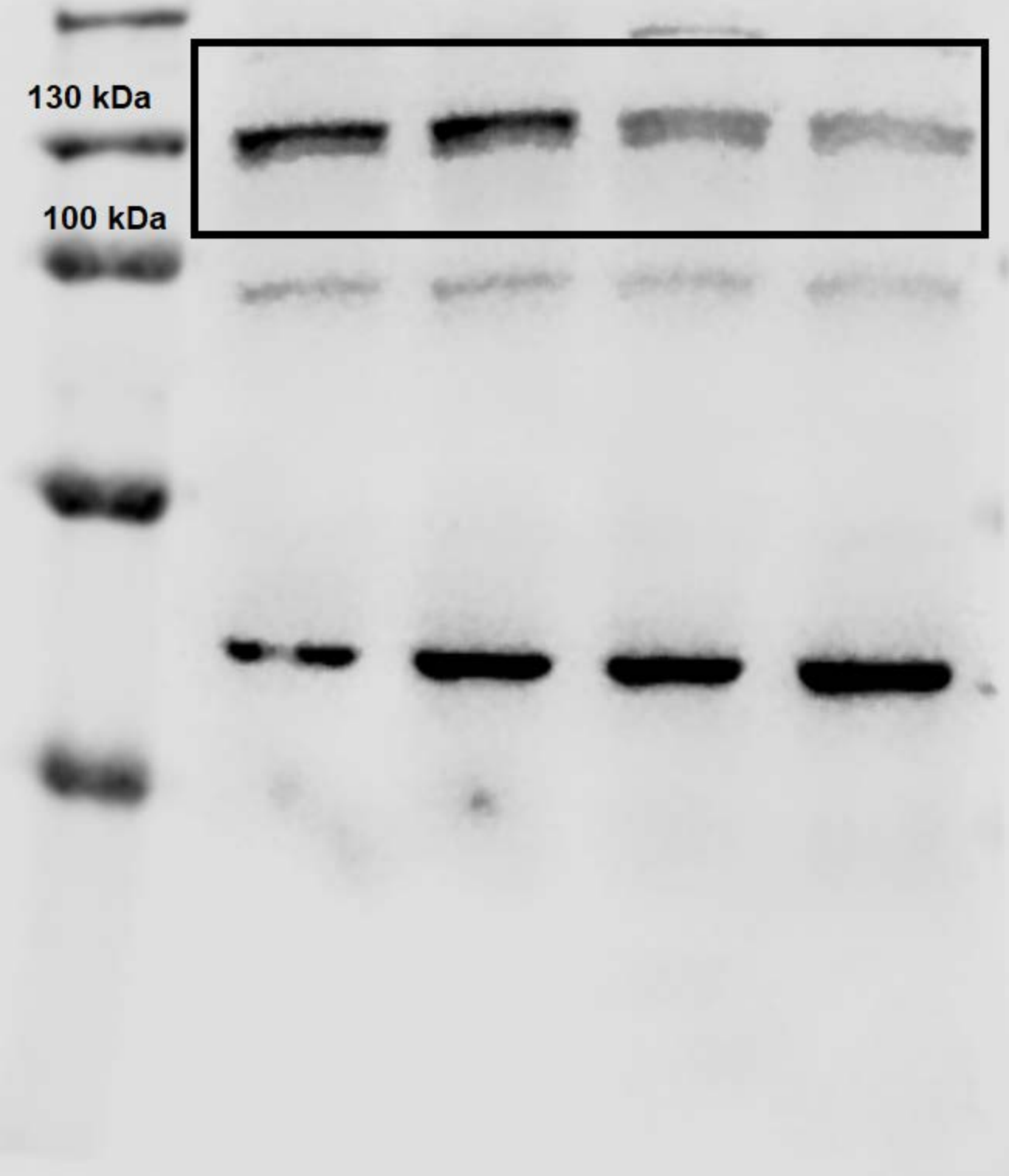


FIGURE 2A-RIGHT PANEL-GAPDH
35 kDa

FIGURE 2B-RBL1/p107
A549-LEFT PANEL



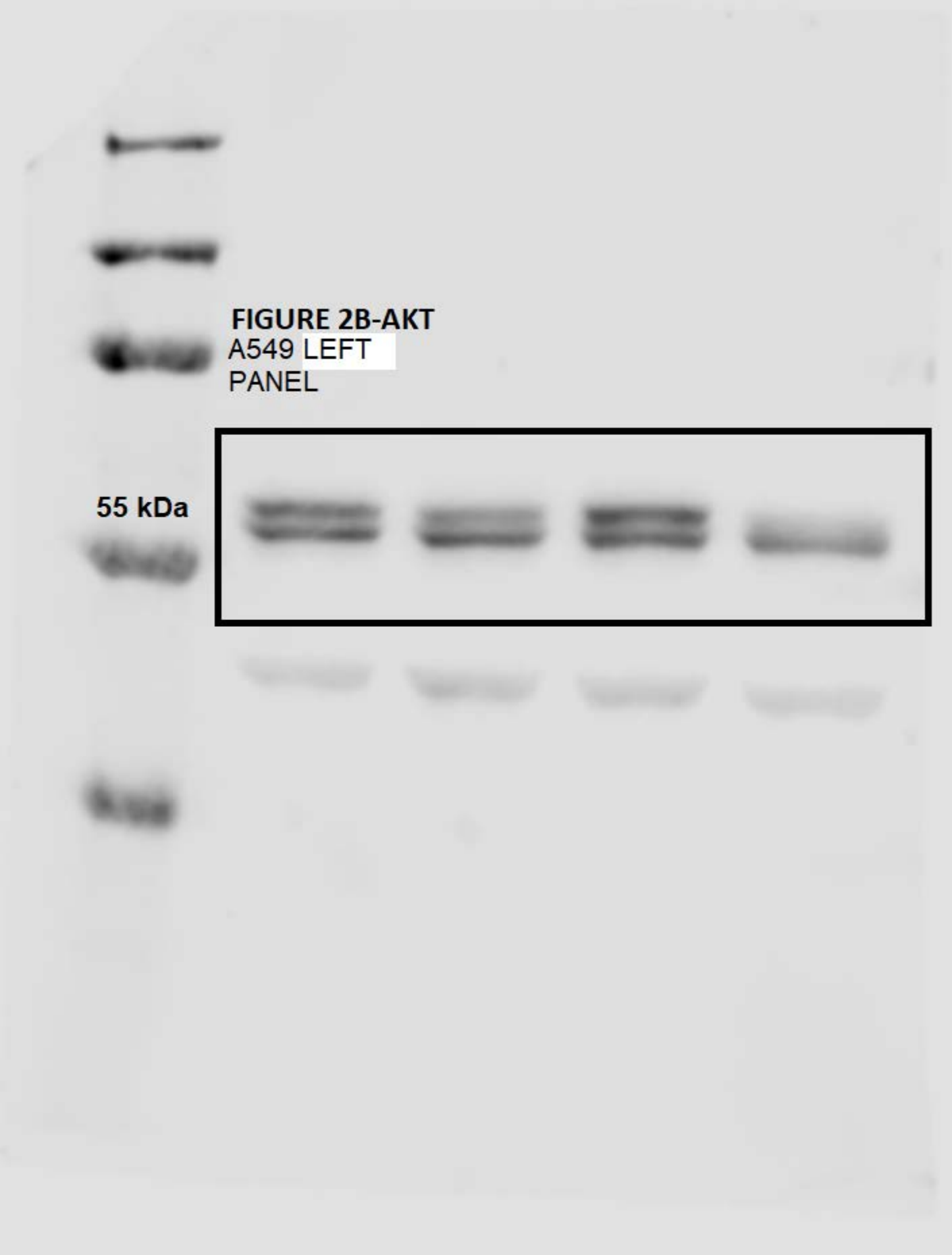


FIGURE 2B-AKT
A549 LEFT
PANEL
55 kDa

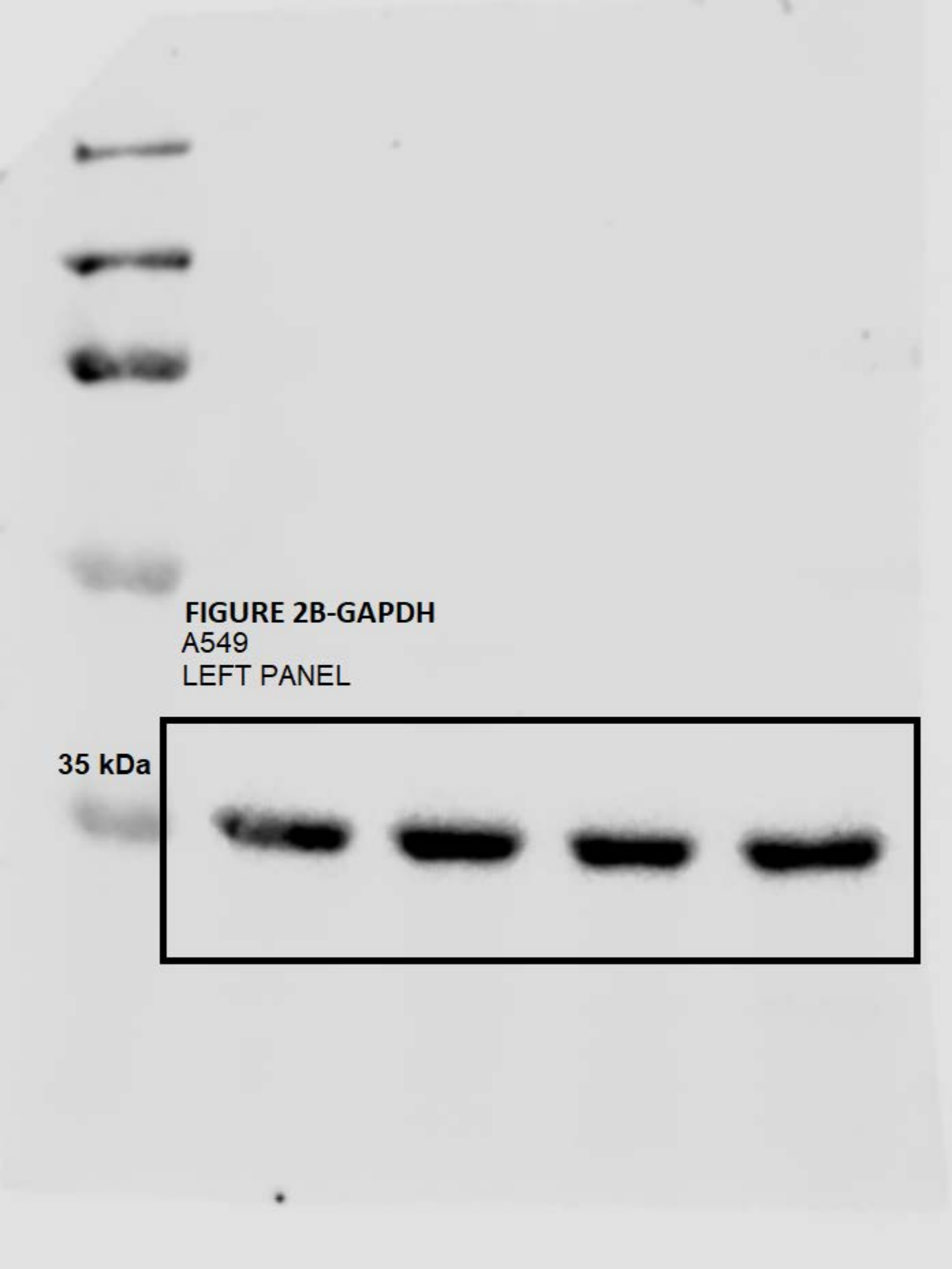


FIGURE 2B-GAPDH
A549
LEFT PANEL
35 kDa

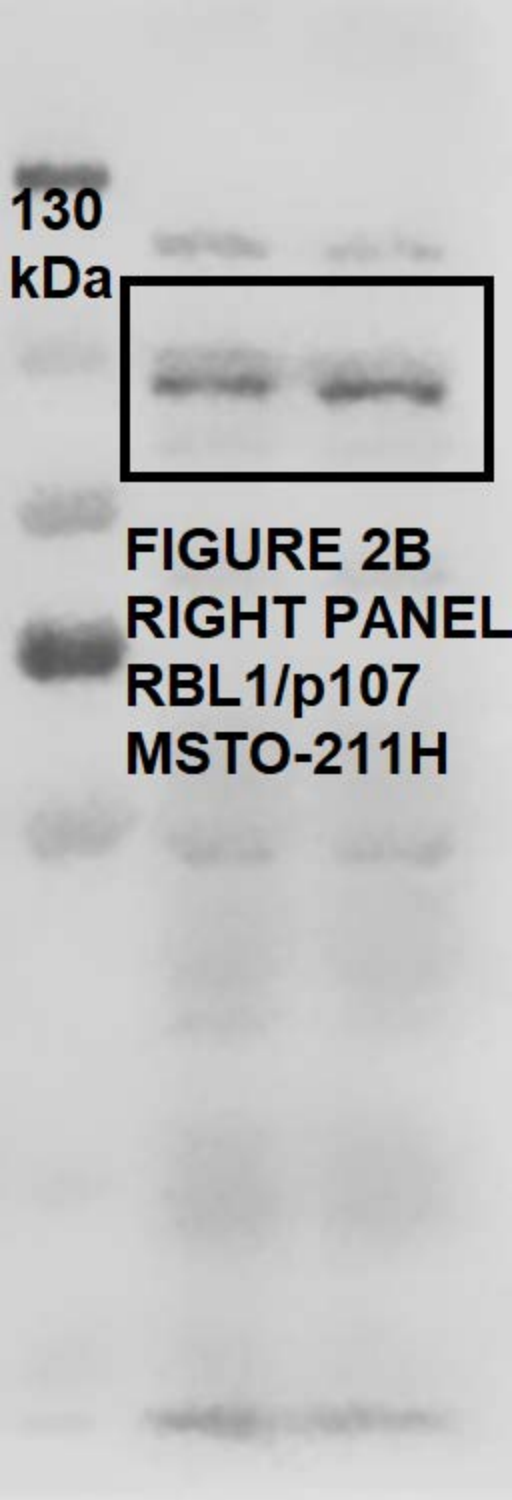
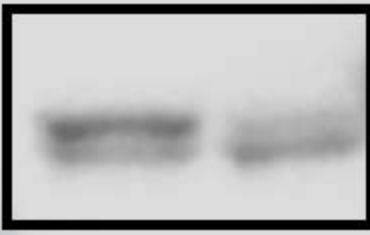

130
kDa
FIGURE 2B
RIGHT PANEL
RBL1/p107
MSTO-211H

FIGURE 2B
RIGHT
PANEL
AKT
MSTO-211H



55
kDa

FIGURE 2B
RIGHT PANEL
GAPDH
MSTO-211H

35
kDa

FIGURE 2C -RBL1/p107
LEFT PANEL
A549

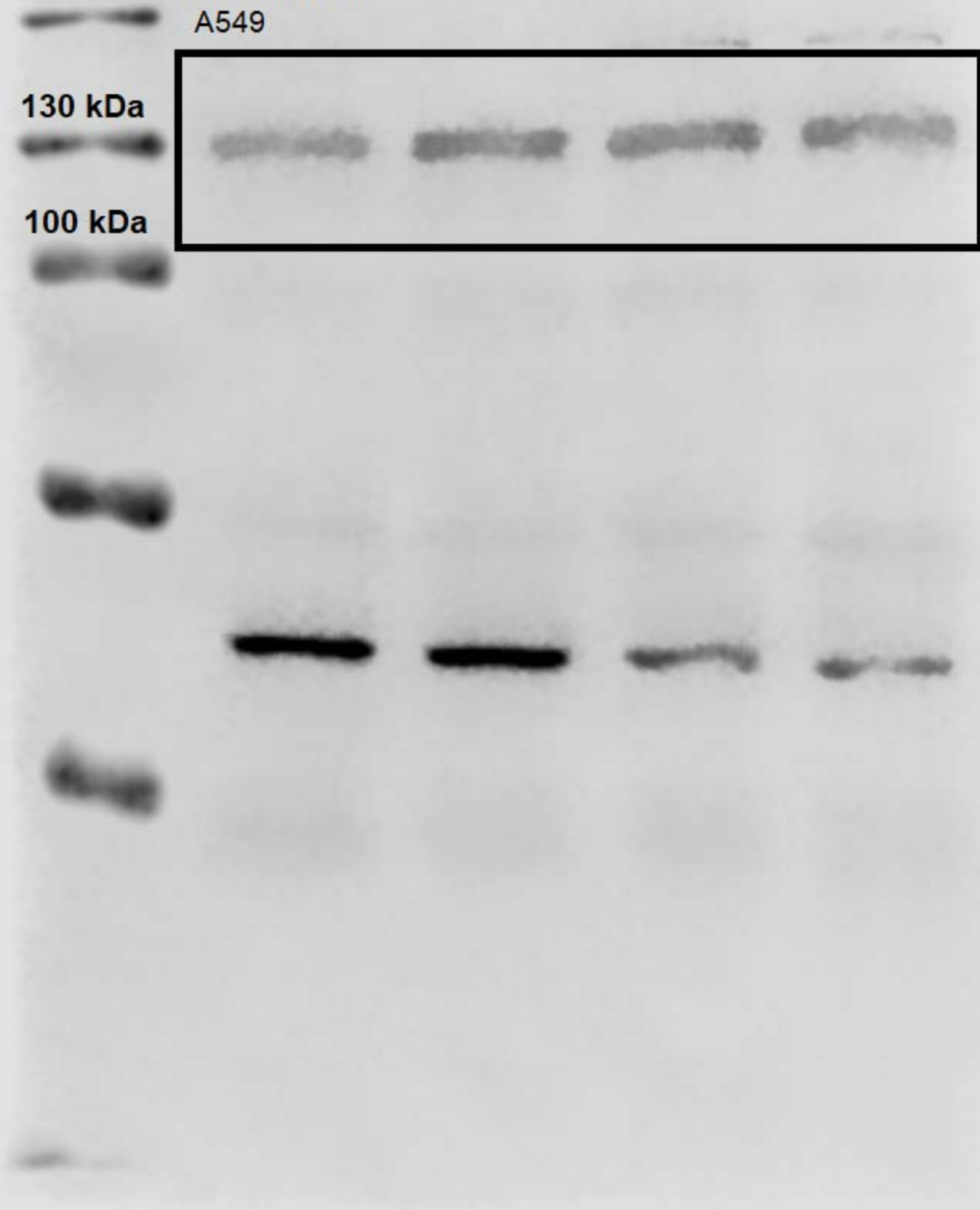
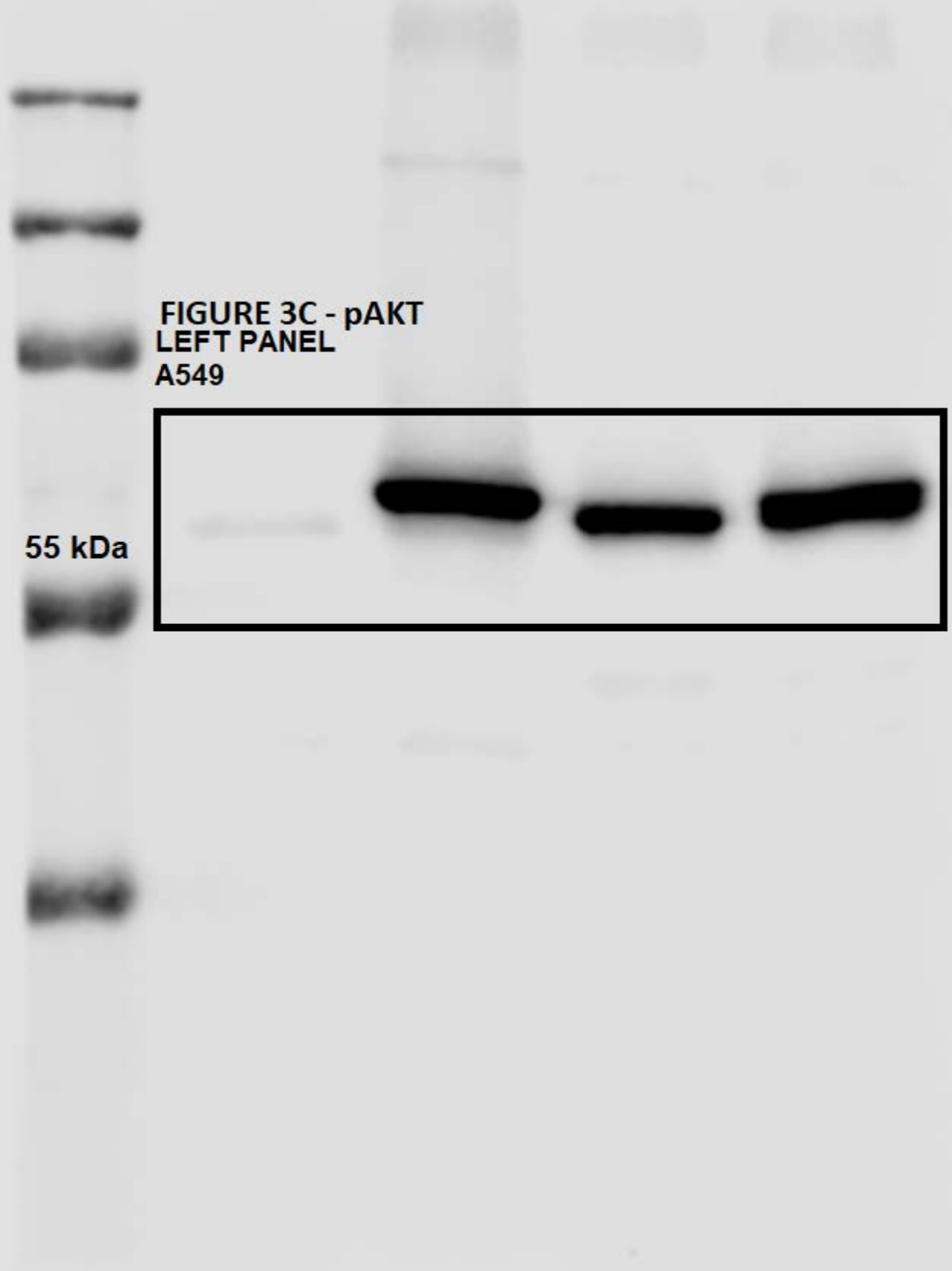


FIGURE 3C - pAKT
LEFT PANEL
A549



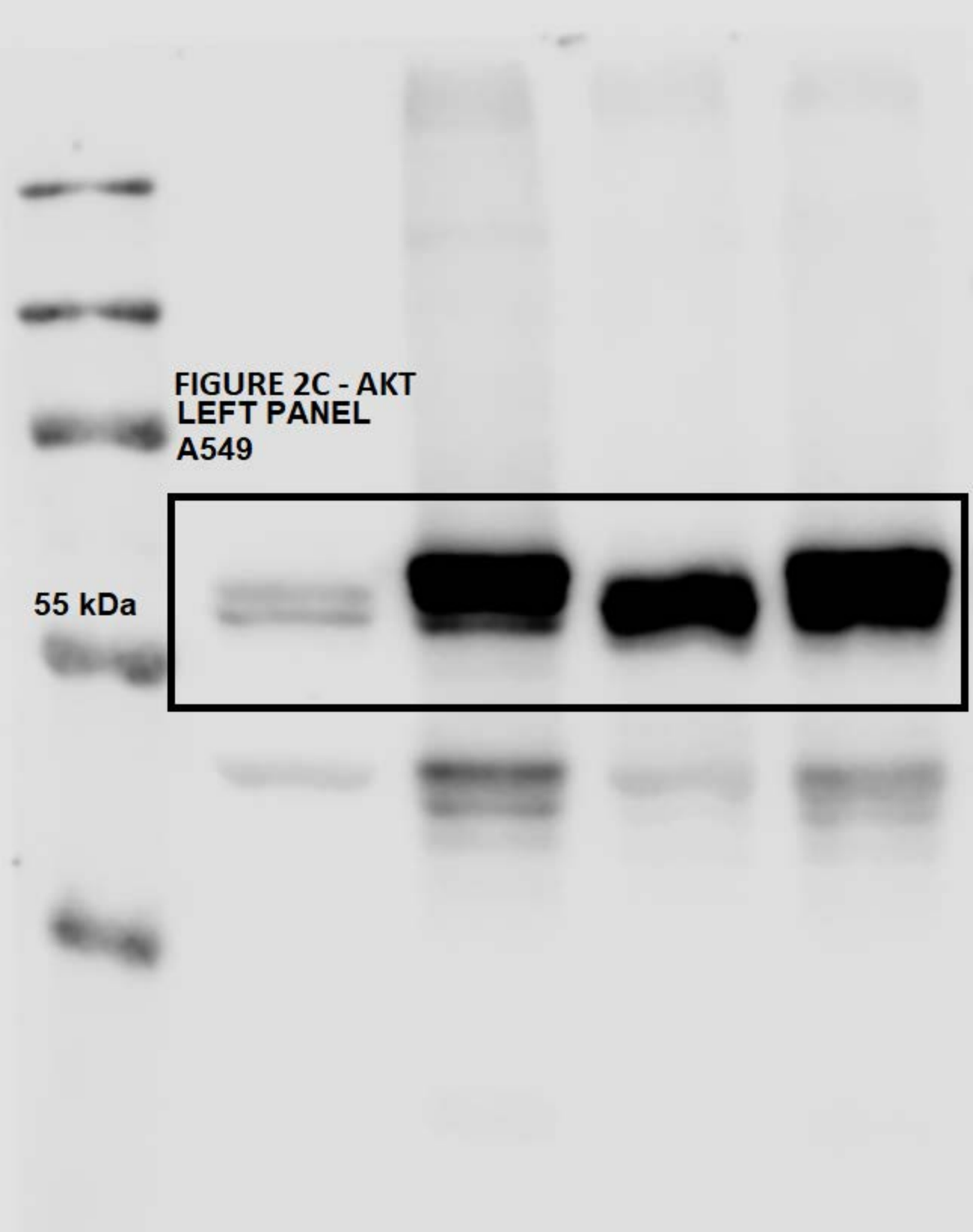


FIGURE 2C - AKT
LEFT PANEL
A549
55 kDa

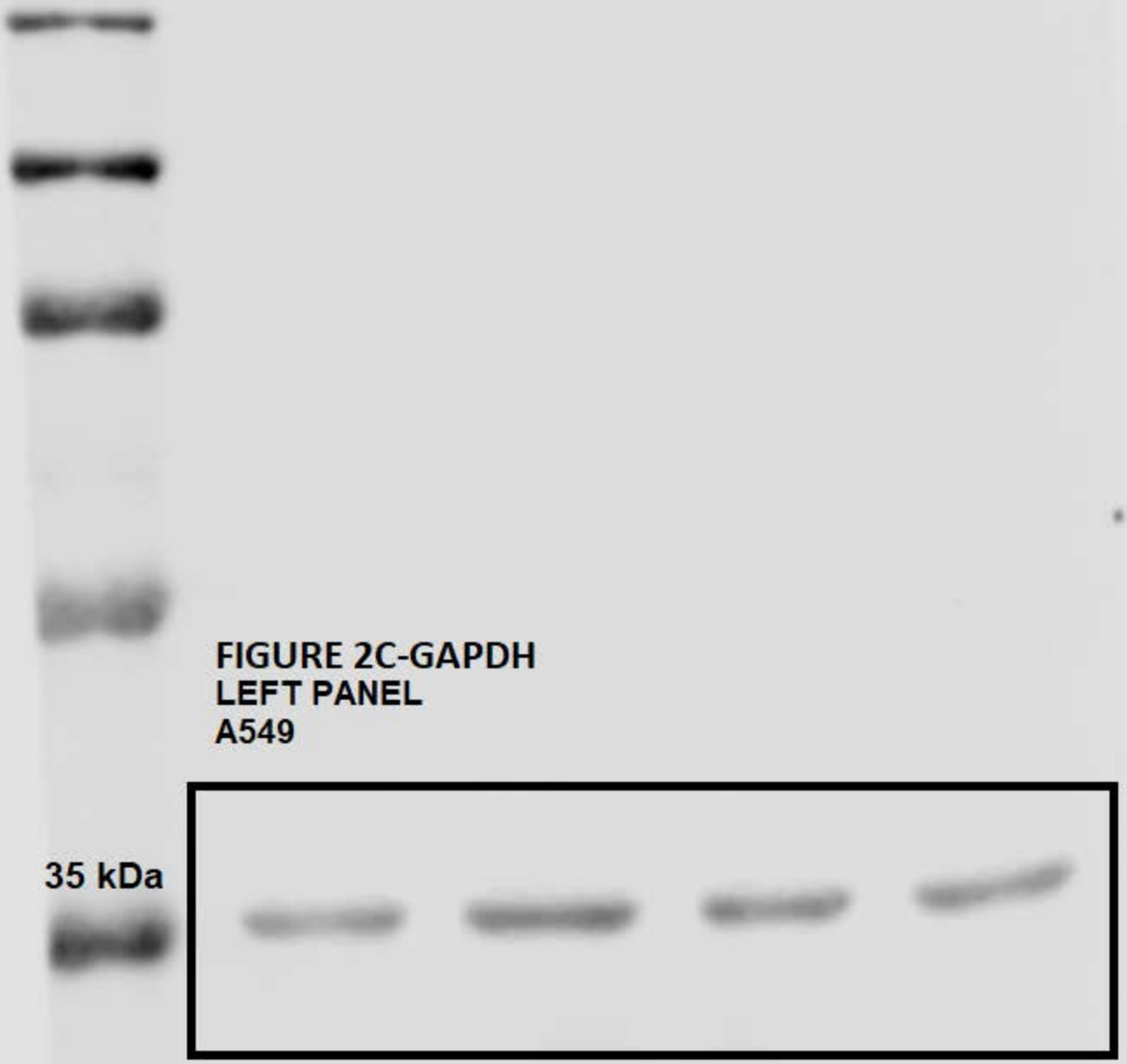


FIGURE 2C-GAPDH
LEFT PANEL
A549
35 kDa

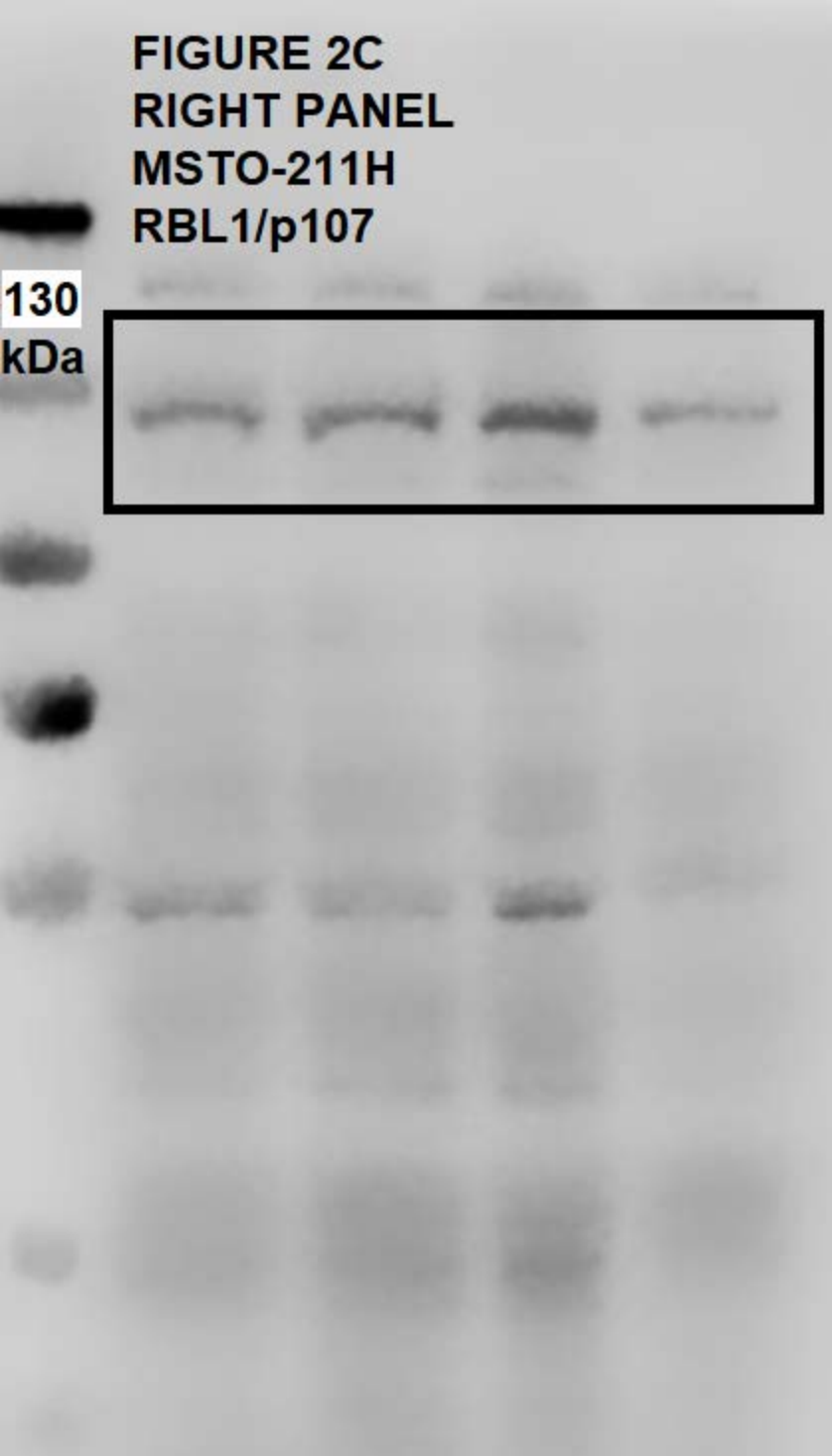
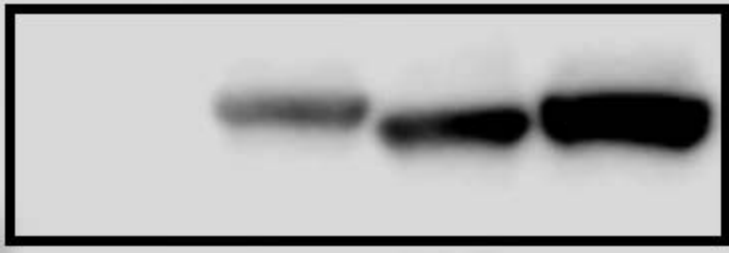


FIGURE 2C
RIGHT PANEL
MSTO-211H
RBL1/p107
130
kDa

FIGURE 2C
RIGHT PANEL
pAKT
MSTO-211H

100 kDa



55 kDa

FIGURE 2C
RIGHT PANEL
AKT
MSTO-211H

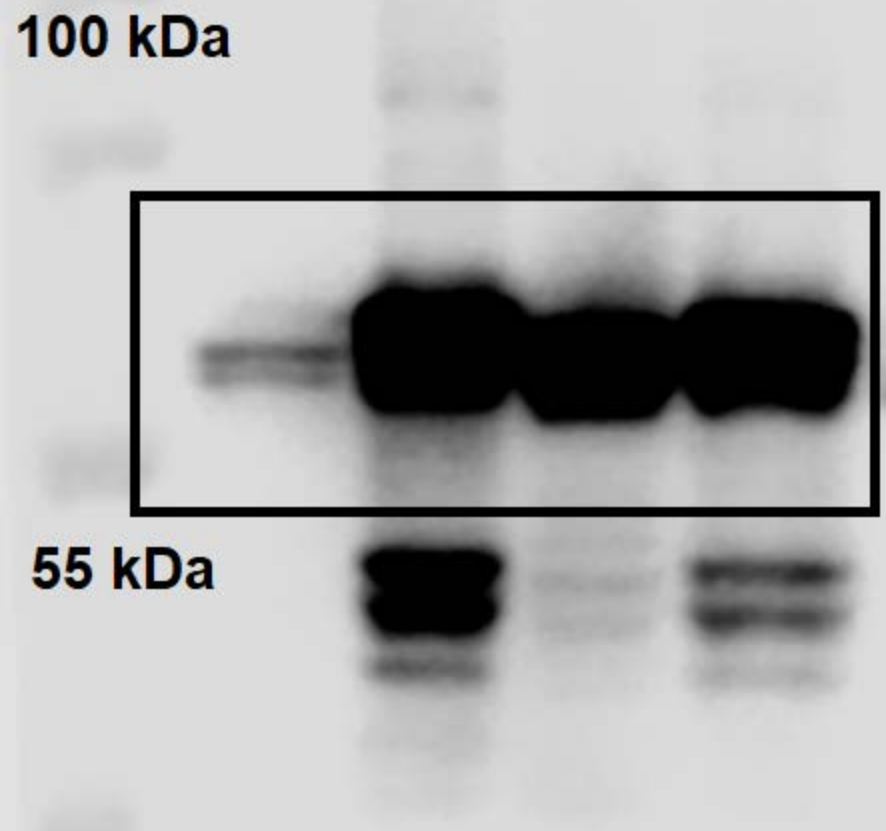
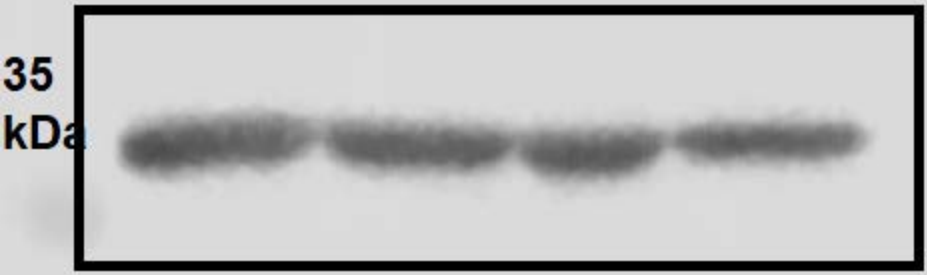
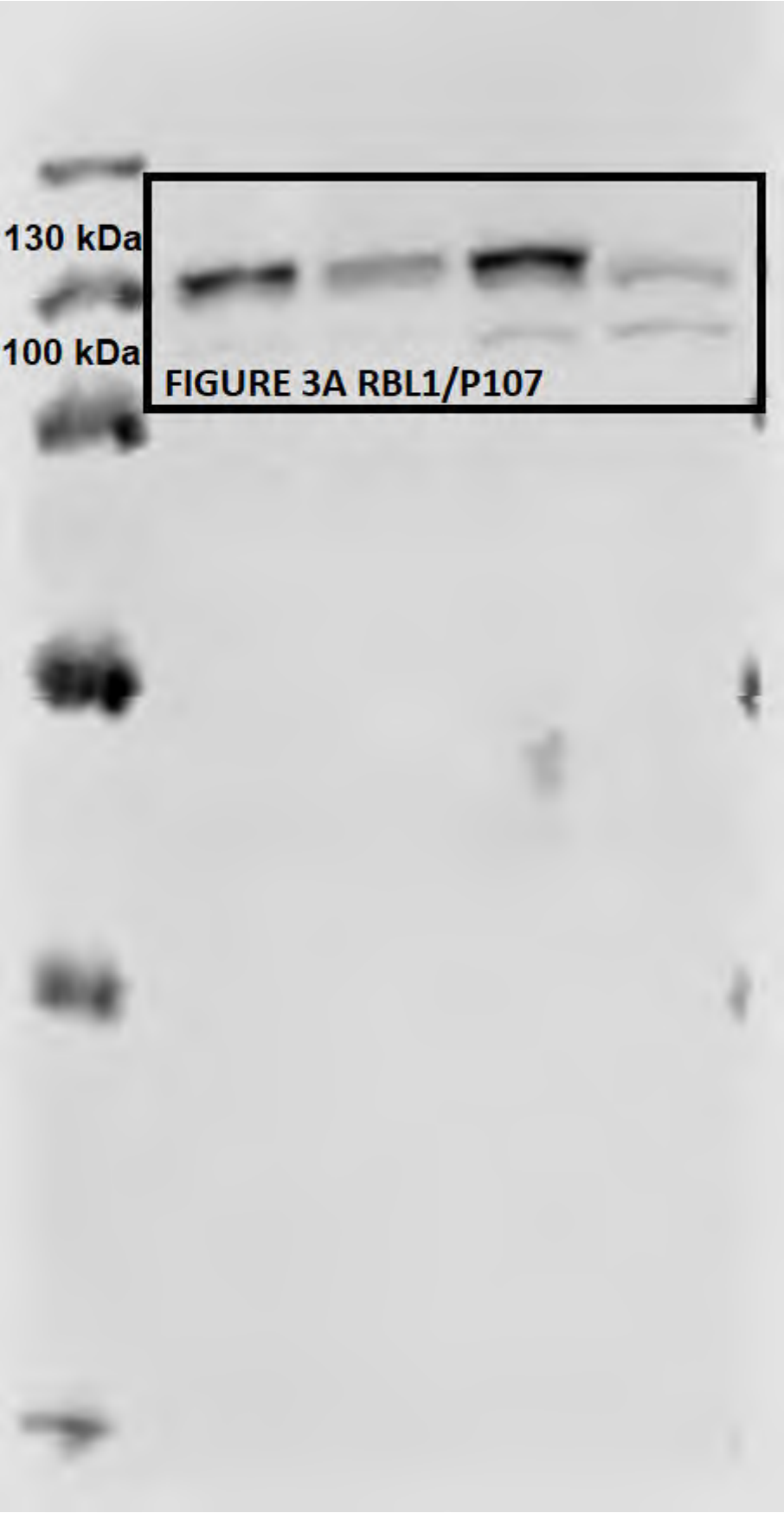
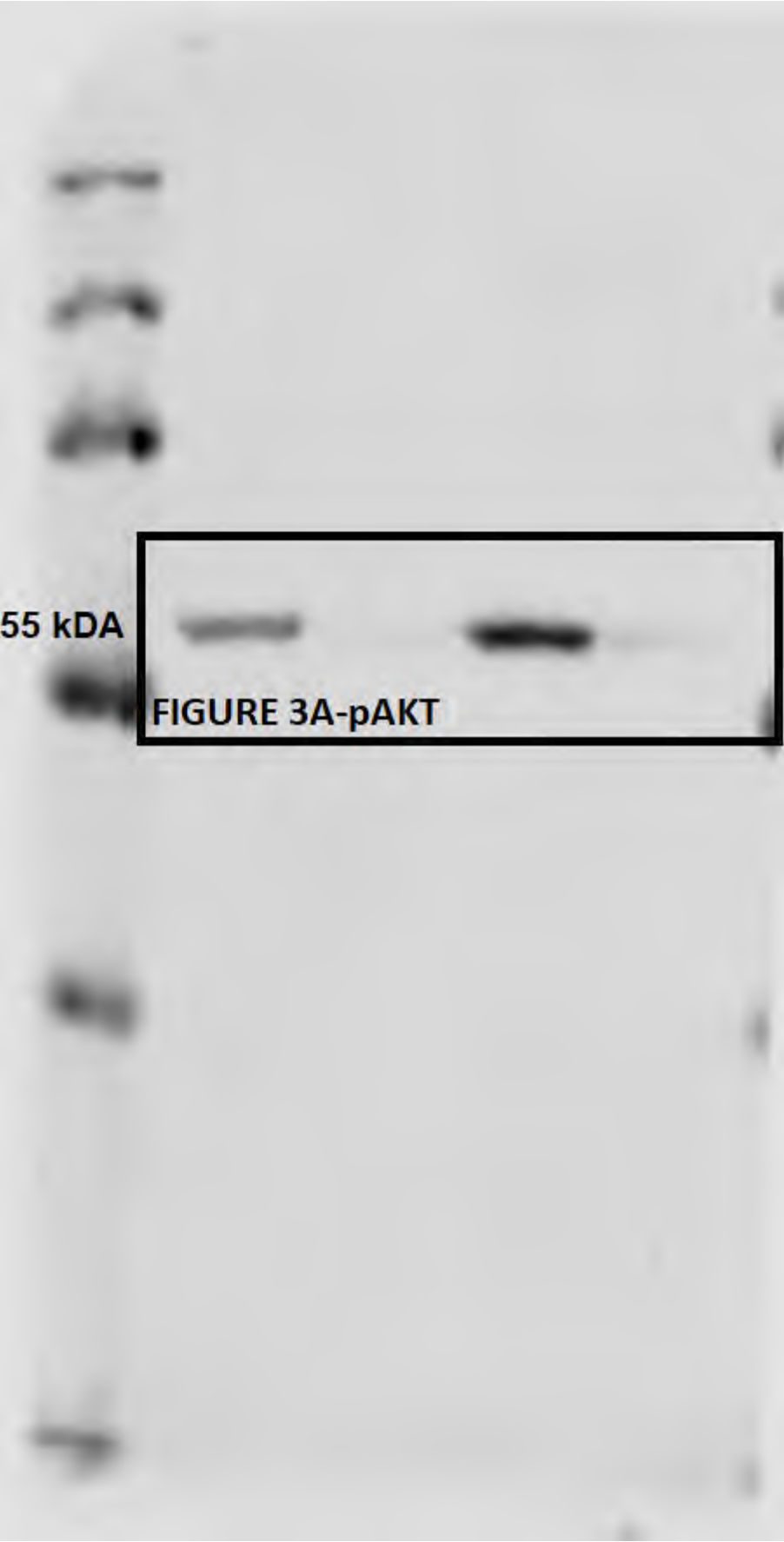
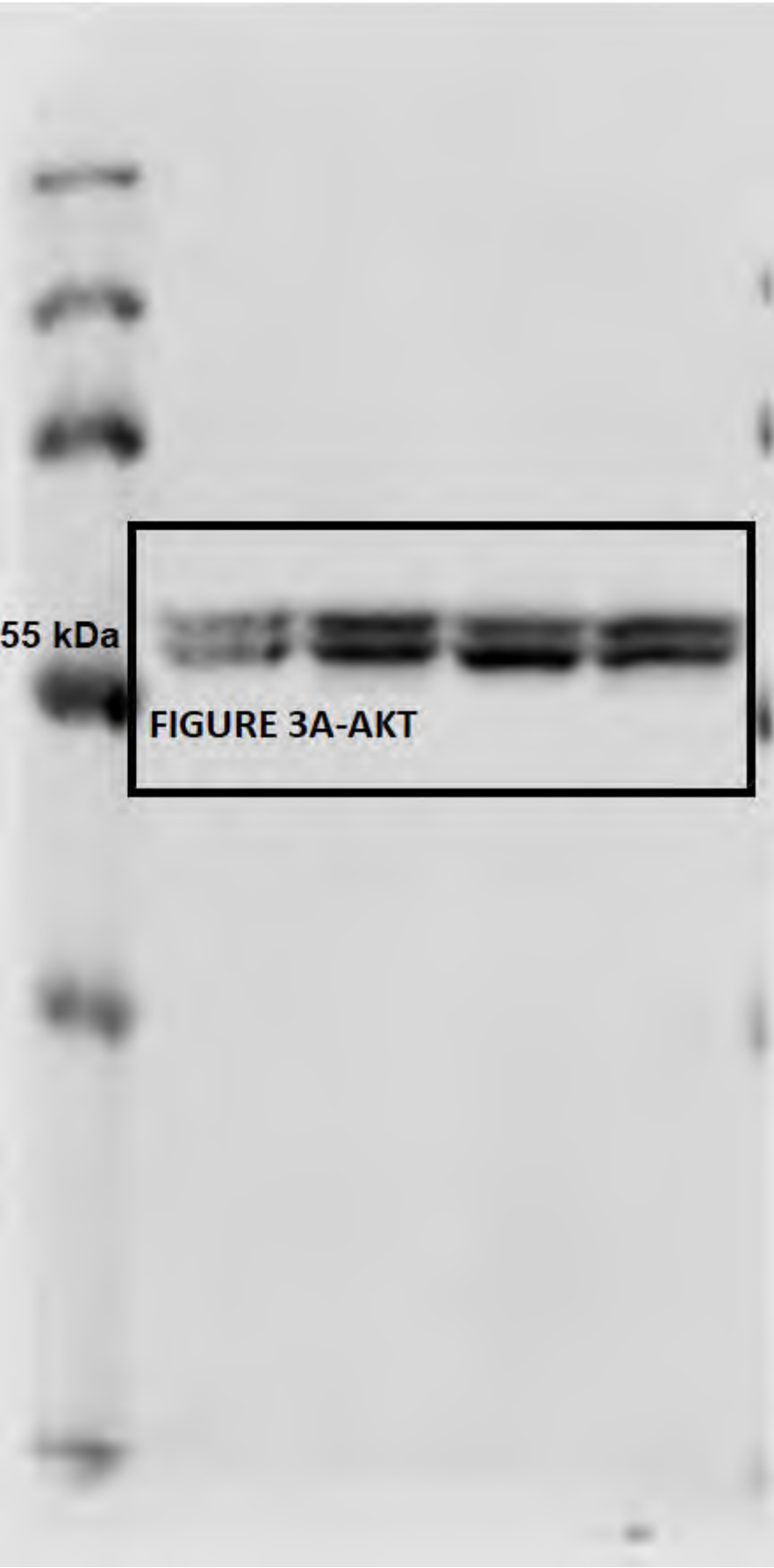


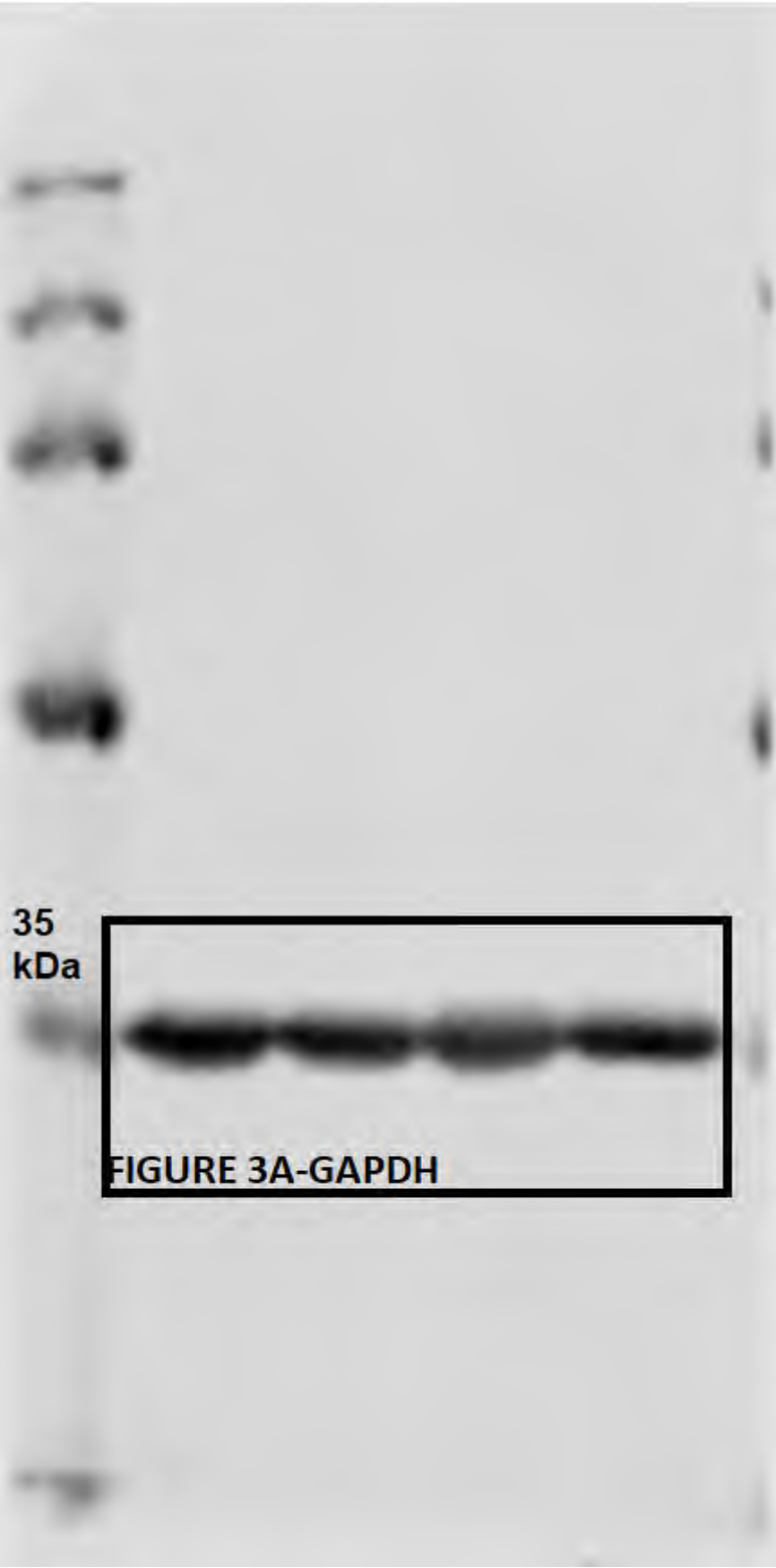
FIGURE 2C
RIGHT PANEL
MSTO
GAPDH

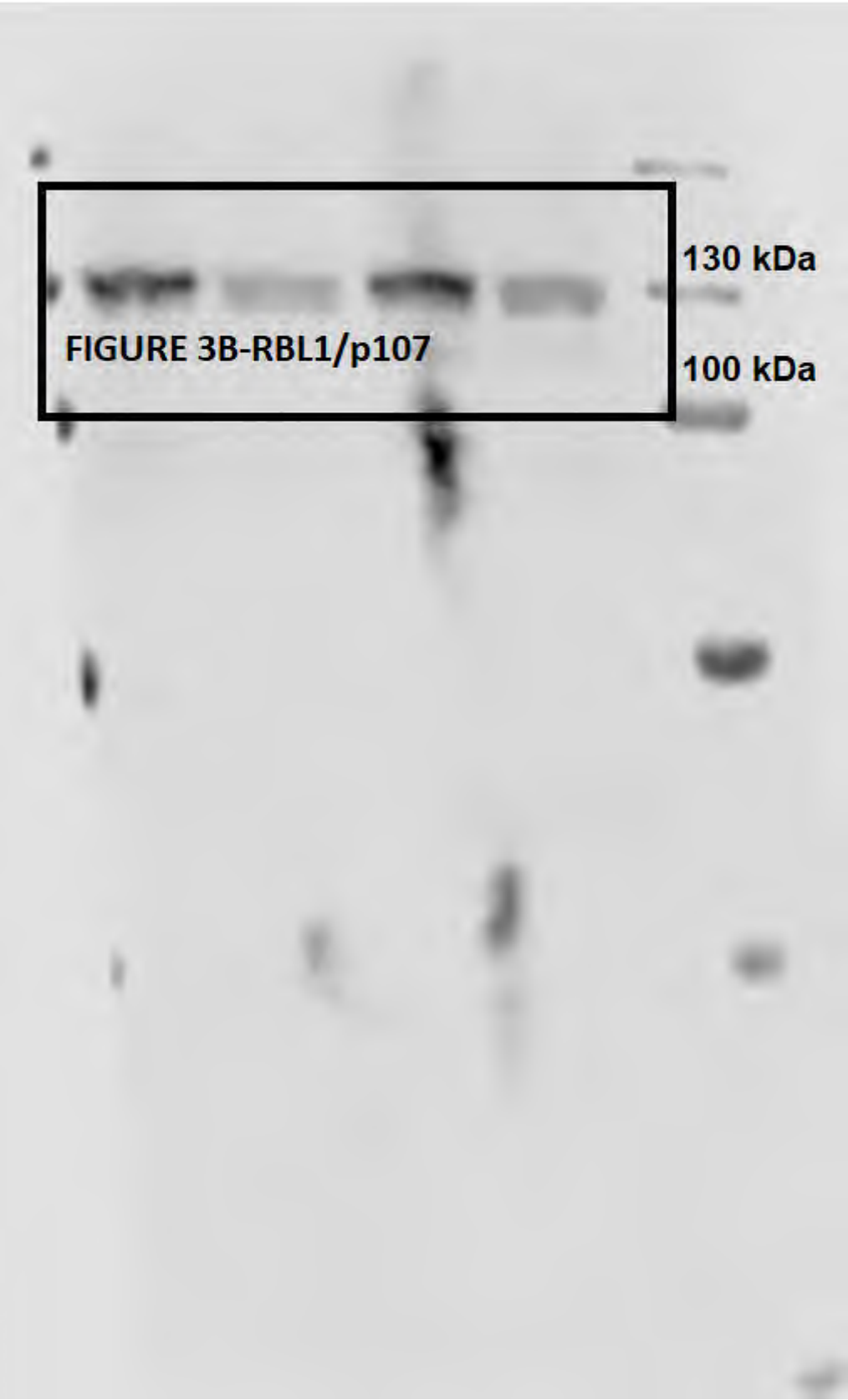


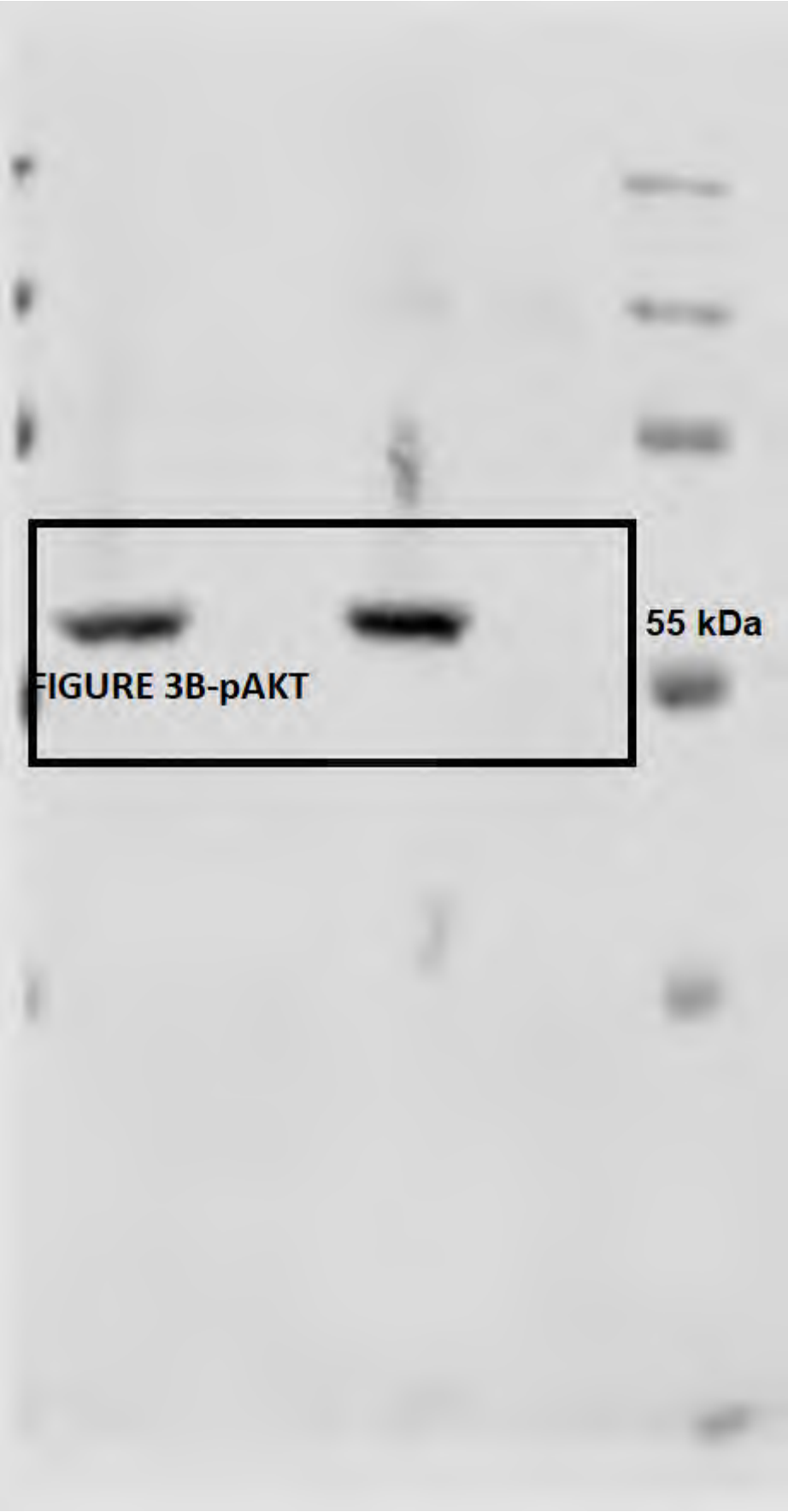

130 kDa
100 kDa
FIGURE 3A RBL1/P107


55 kDA
FIGURE 3A-pAKT


55 kDa
FIGURE 3A-AKT


35
kDa
FIGURE 3A-GAPDH


130 kDa
FIGURE 3B-RBL1/p107
100 kDa


55 kDa
FIGURE 3B-pAKT

55 kDa
FIGURE 3B-AKT

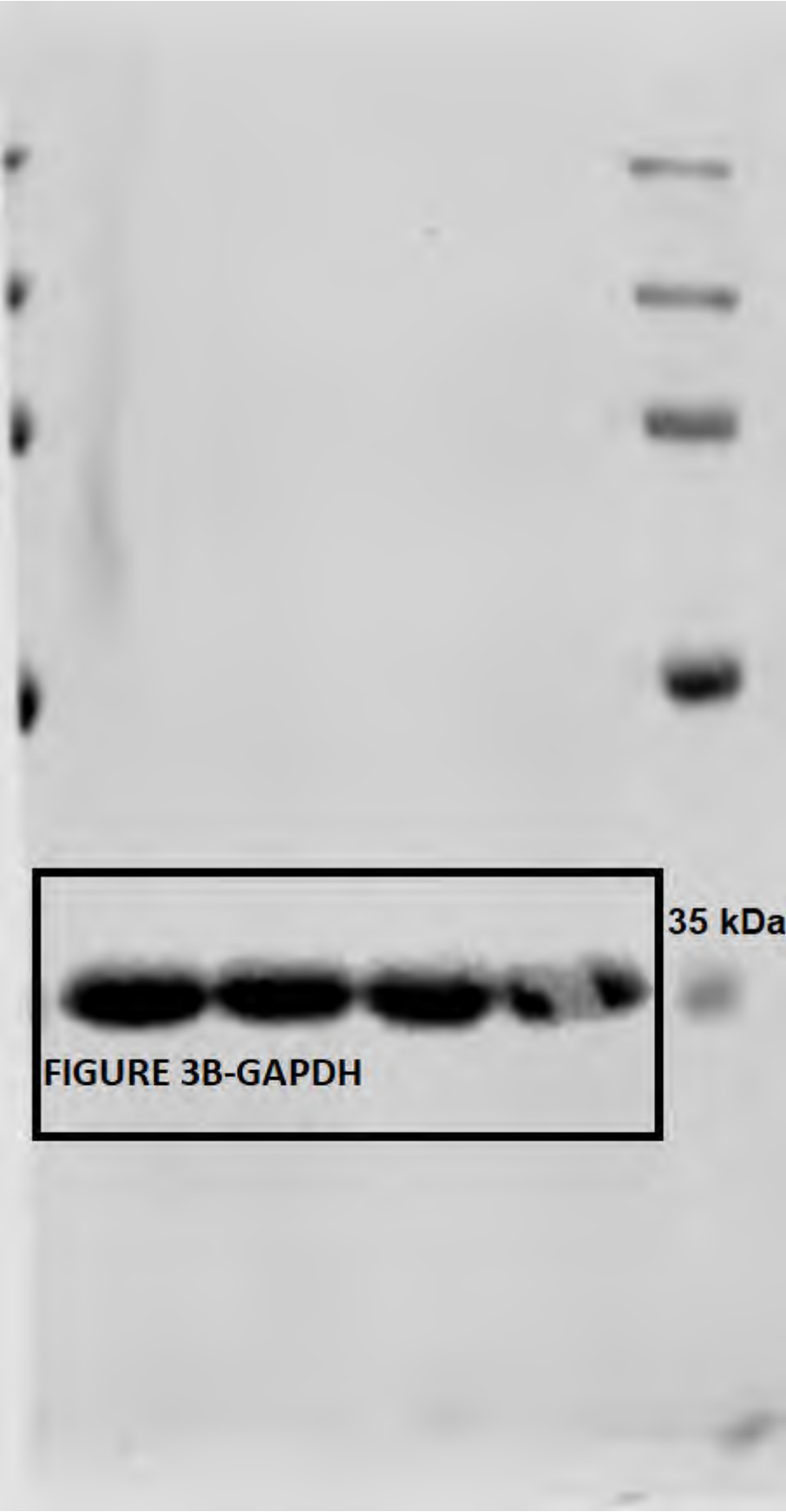
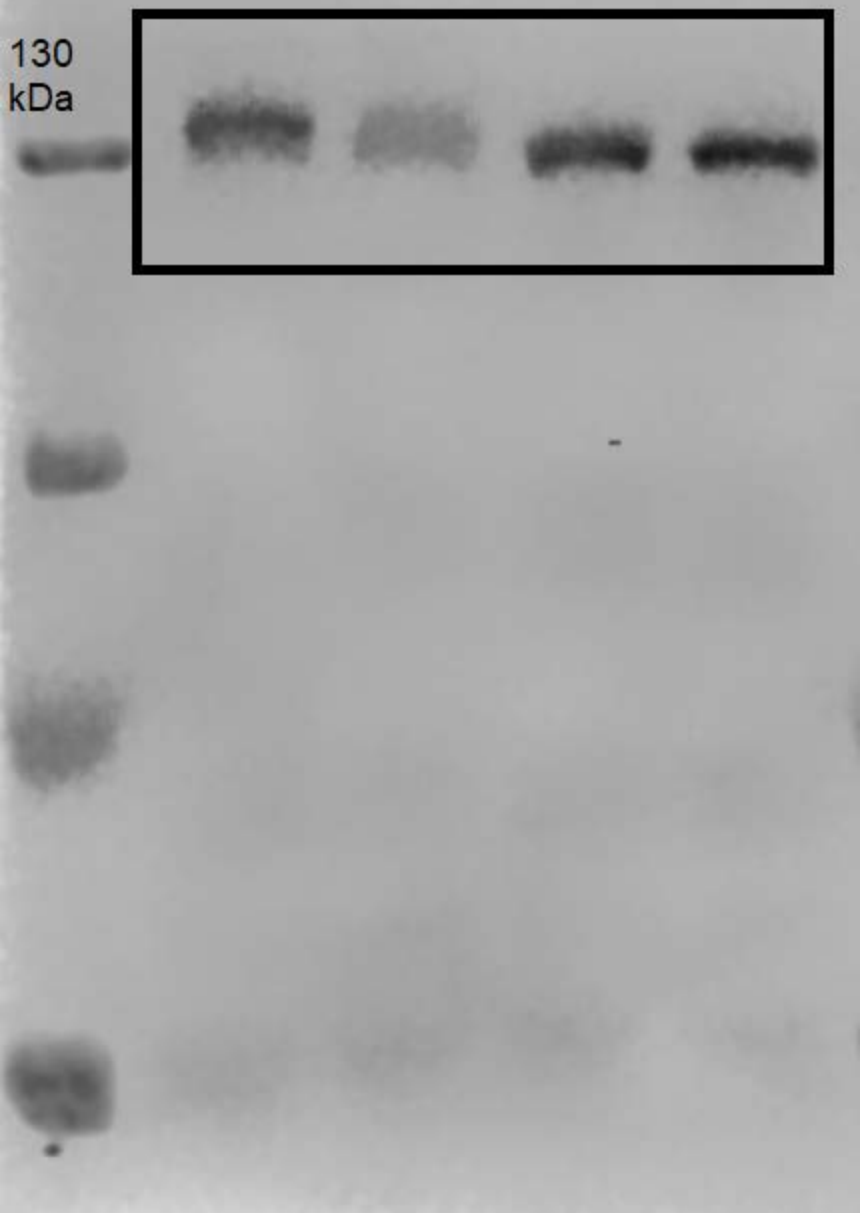

35 kDa
FIGURE 3B-GAPDH

FIGURE 3C
LEFT PANEL
A549
RBL1/p107



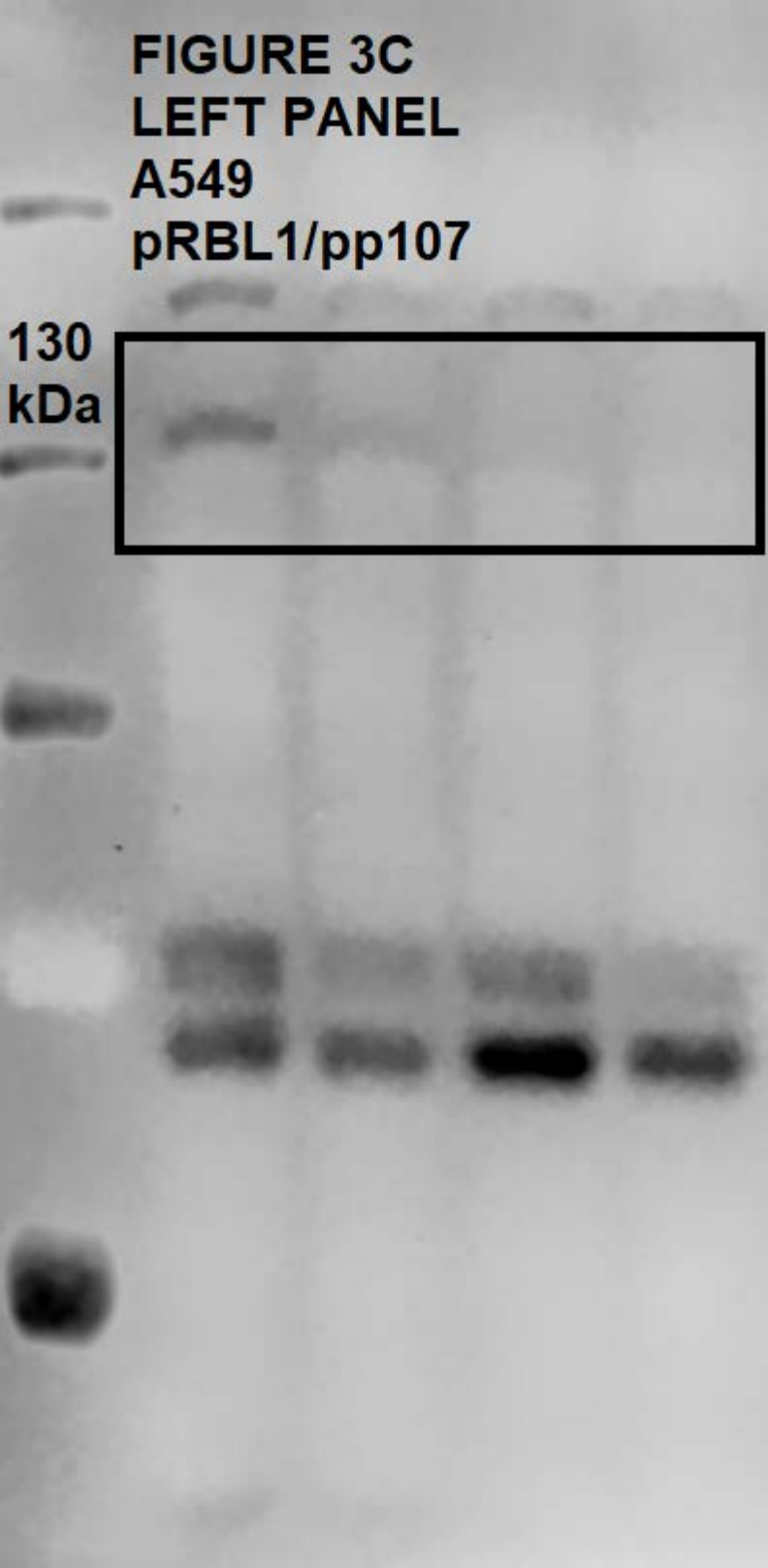
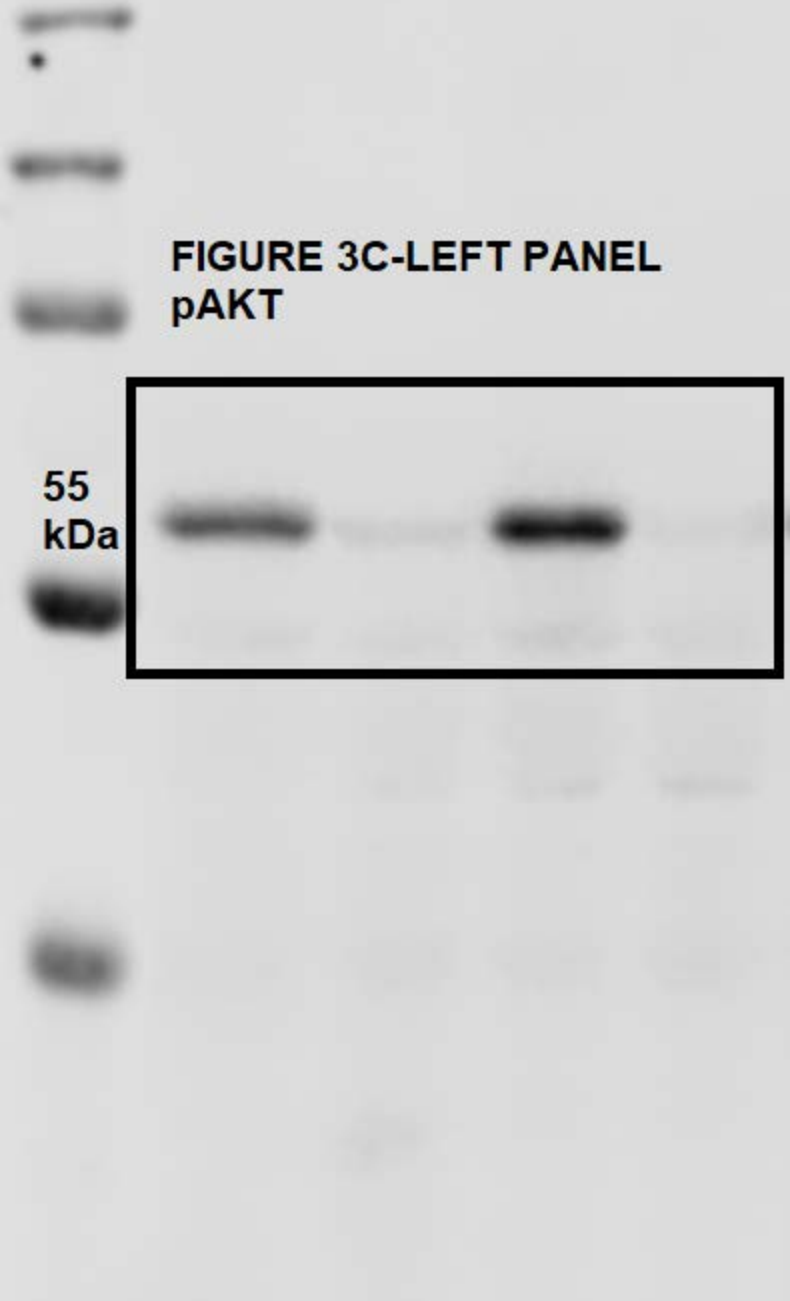


FIGURE 3C
LEFT PANEL
A549
pRBL1/pp107
130
kDa

FIGURE 3C-LEFT PANEL
pAKT



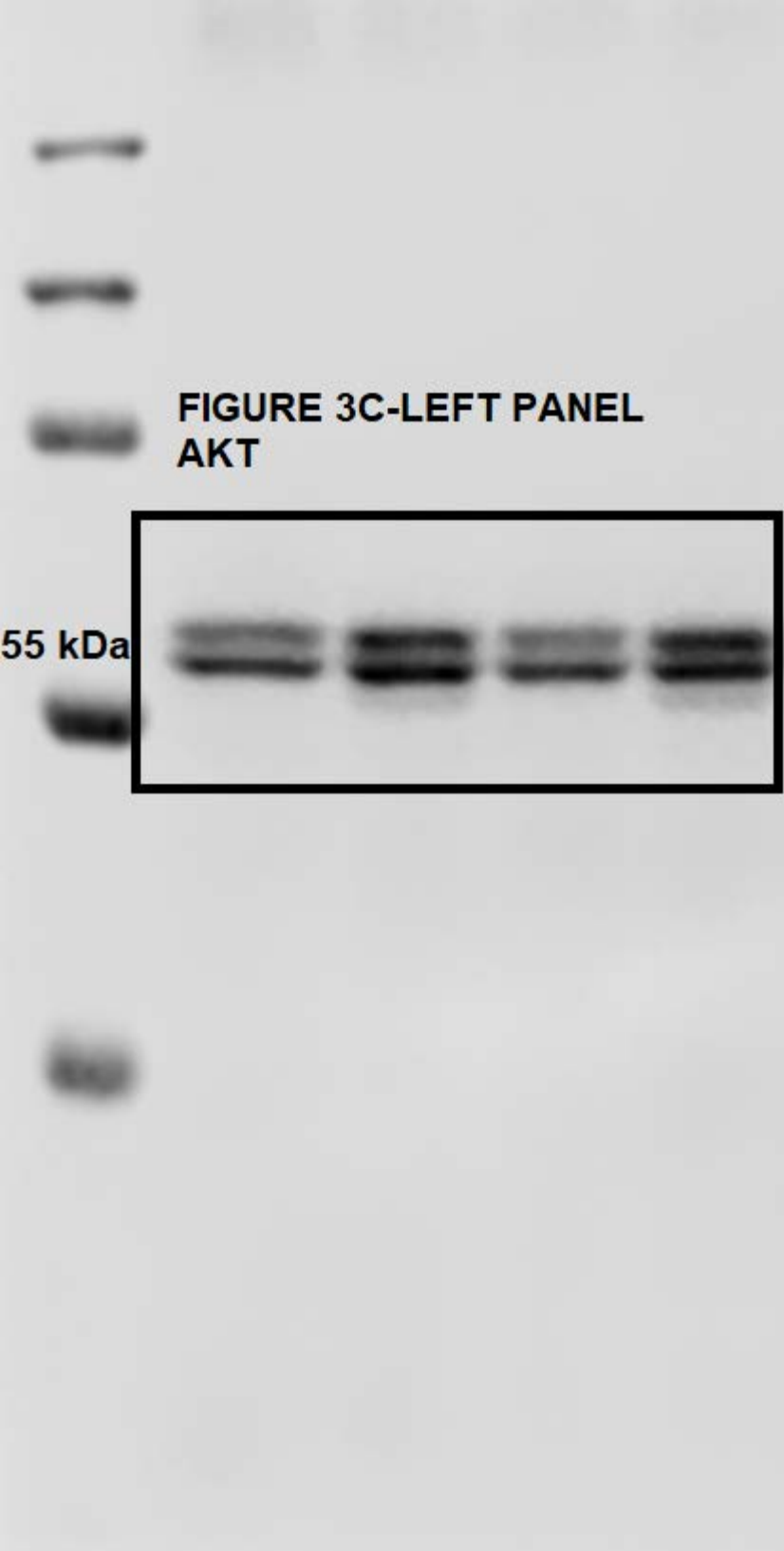


FIGURE 3C-LEFT PANEL
AKT
55 kDa

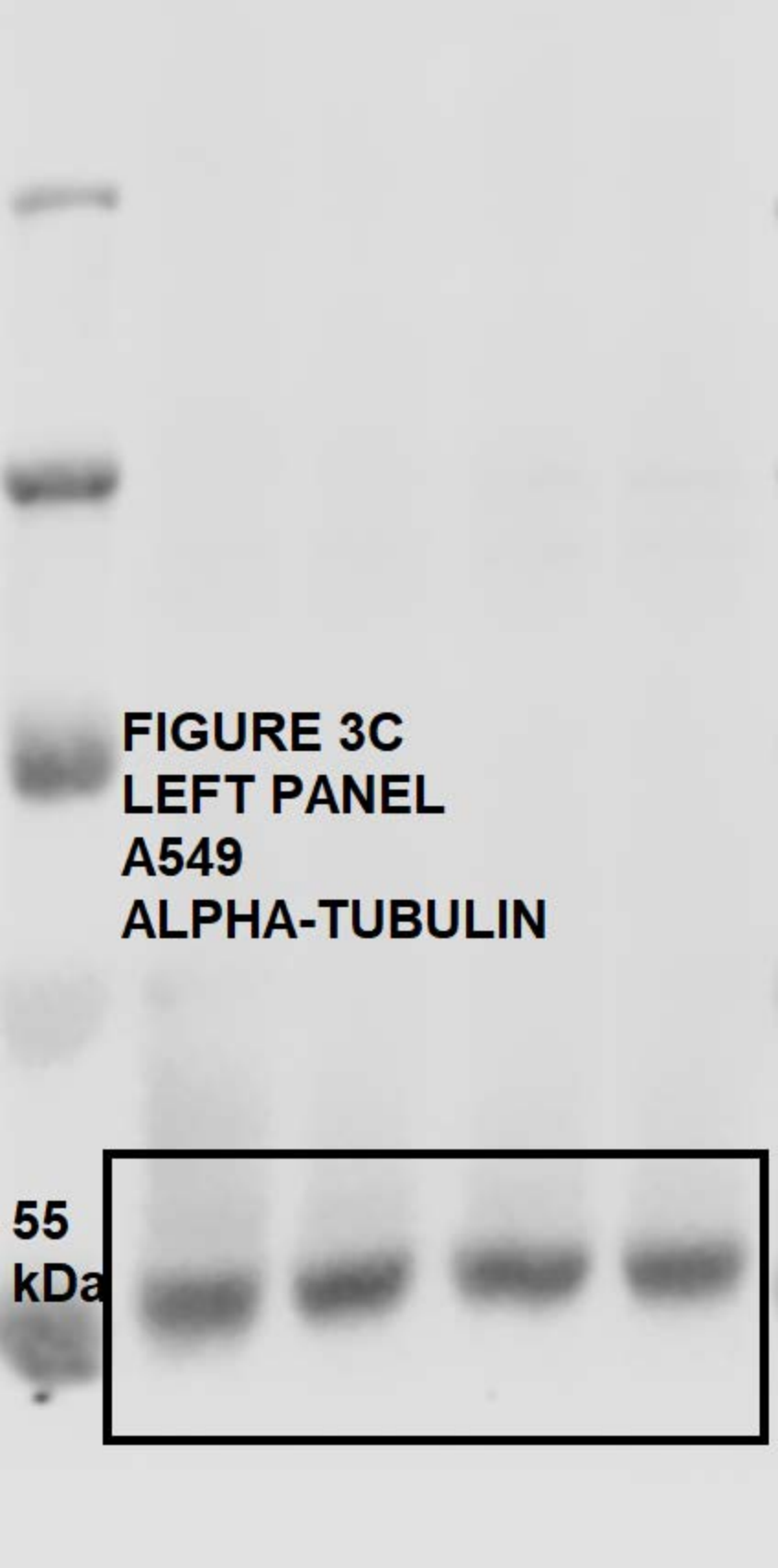


FIGURE 3C
LEFT PANEL
A549
ALPHA-TUBULIN
55
kDa

FIGURE 3C
RIGHT PANEL
MSTO-211H
RBL1/p107

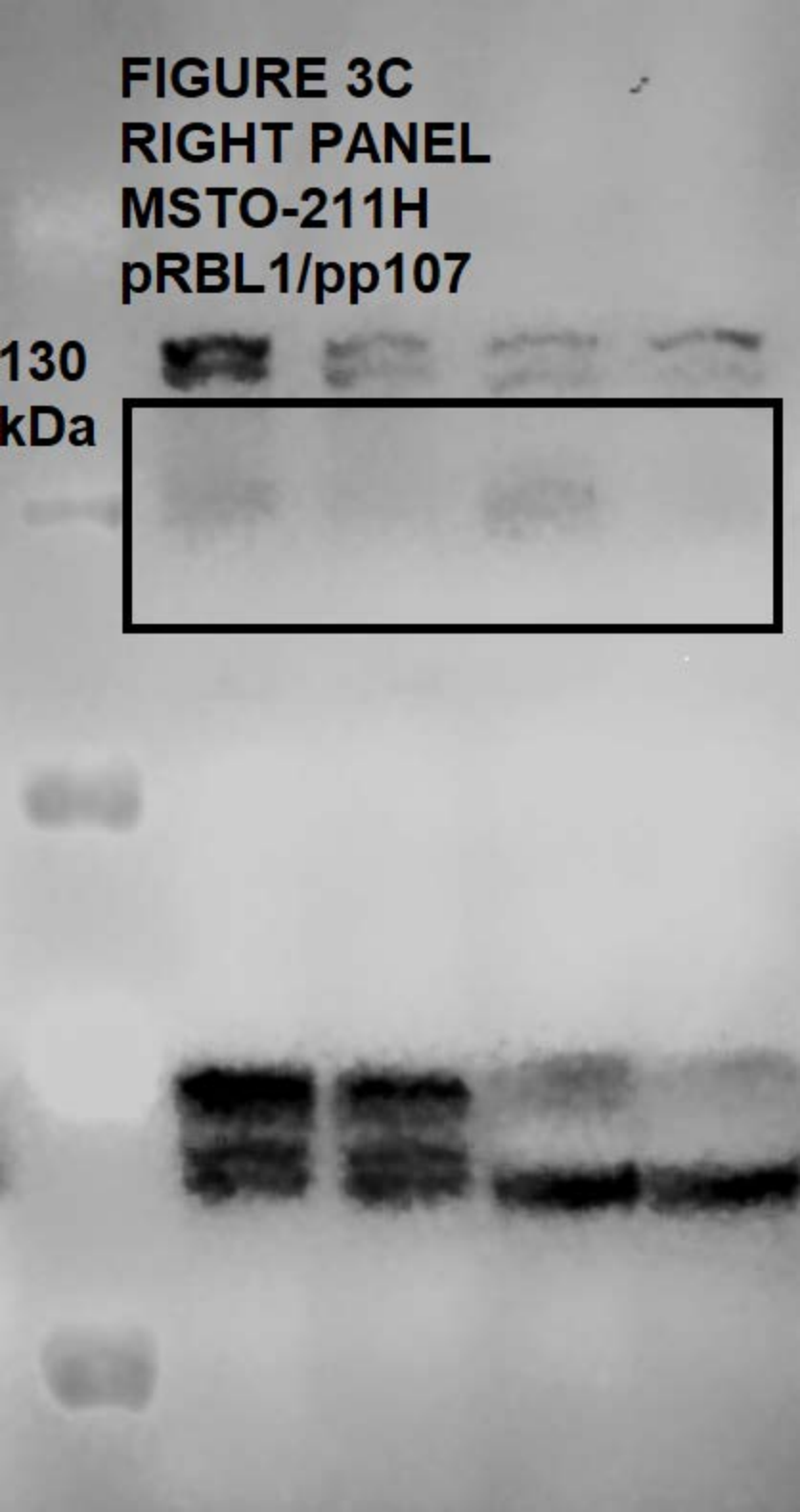


FIGURE 3C
RIGHT PANEL
MSTO-211H
pRBL1/pp107
130
kDa

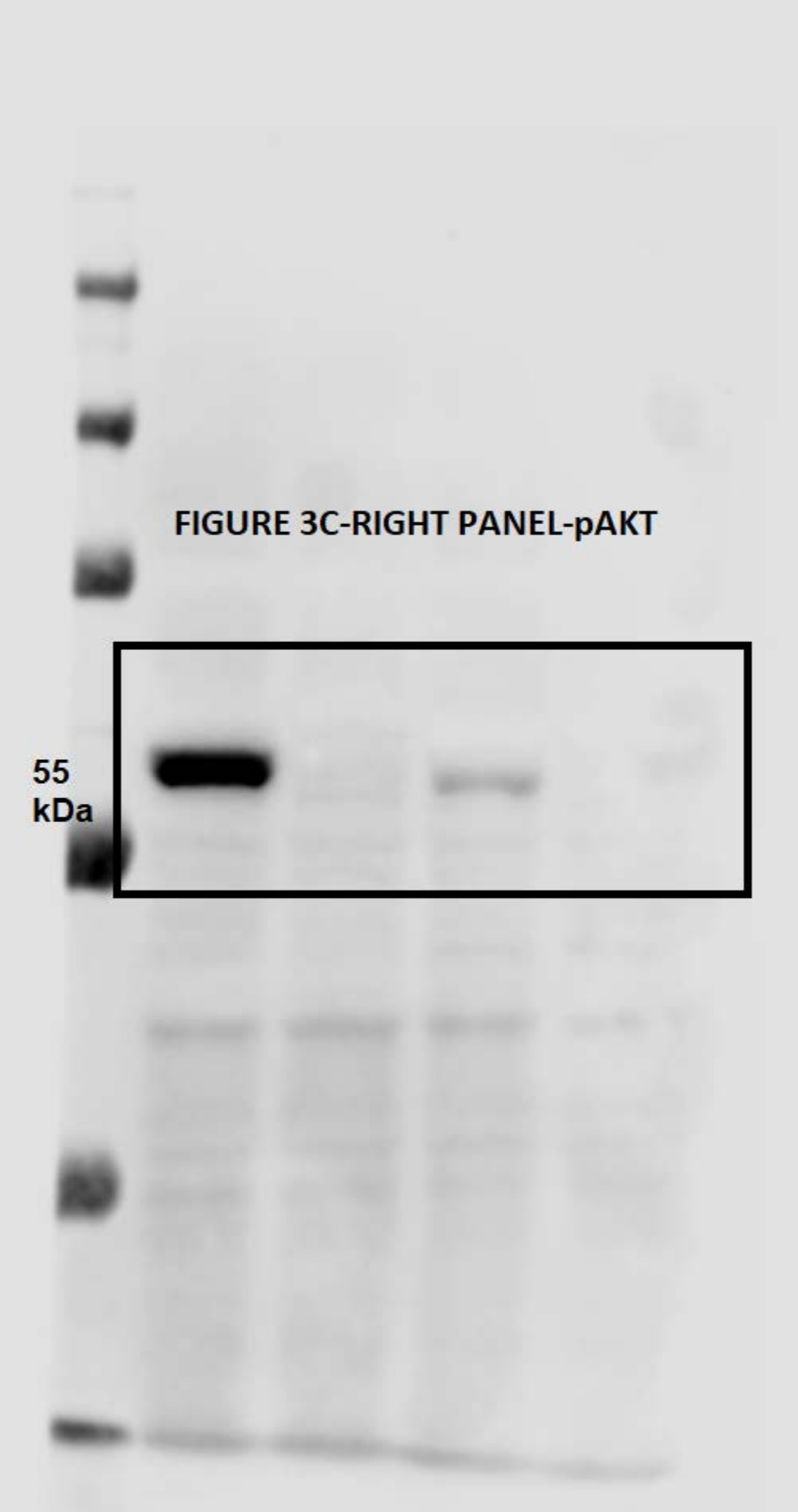
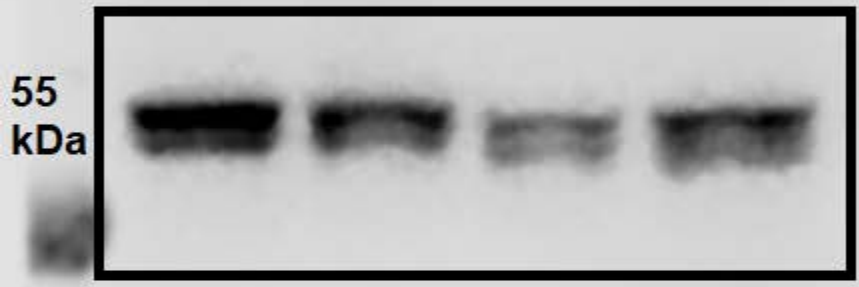


FIGURE 3C-RIGHT PANEL-pAKT
55
kDa

FIGURE 3C-RIGHT PANEL-AKT



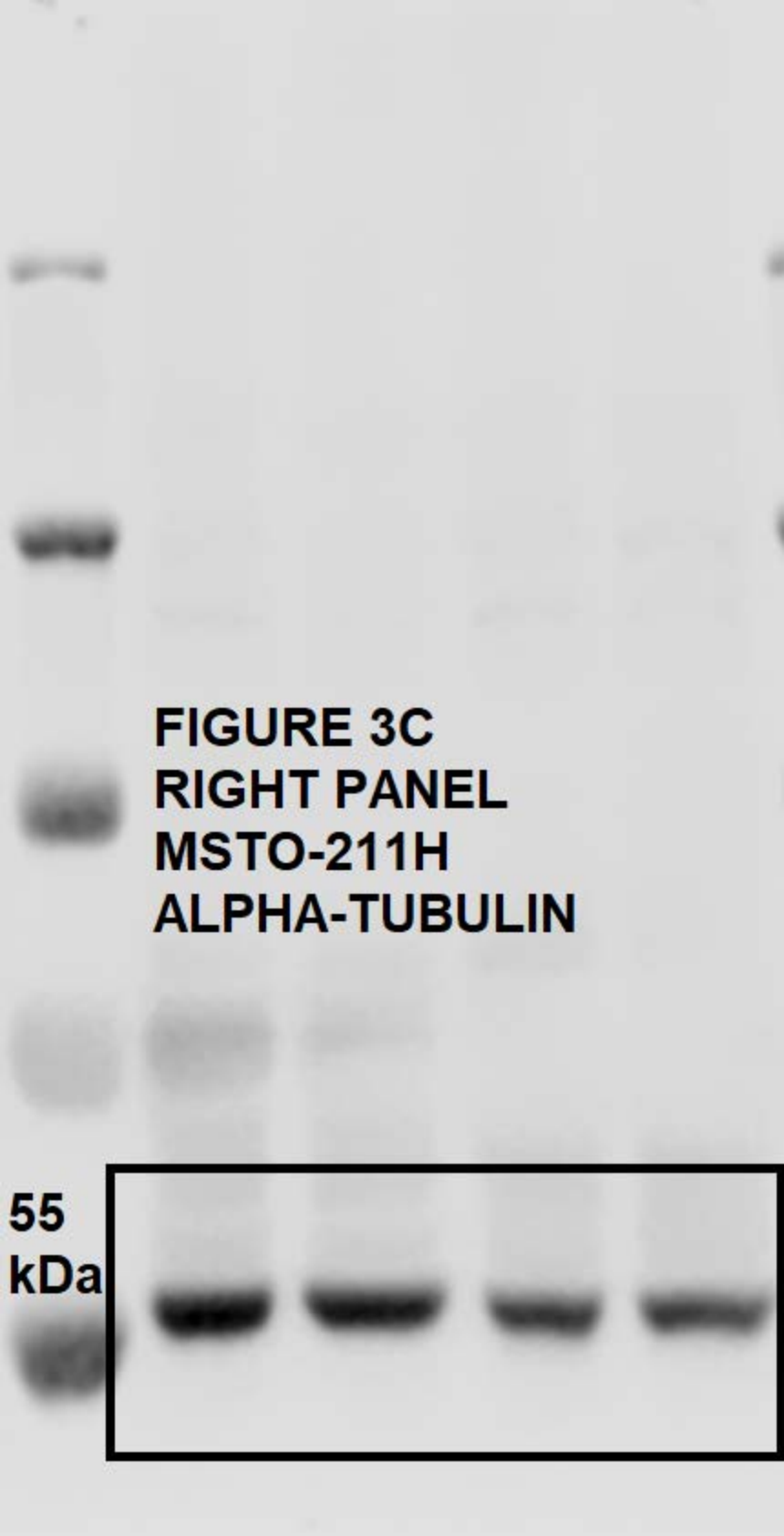
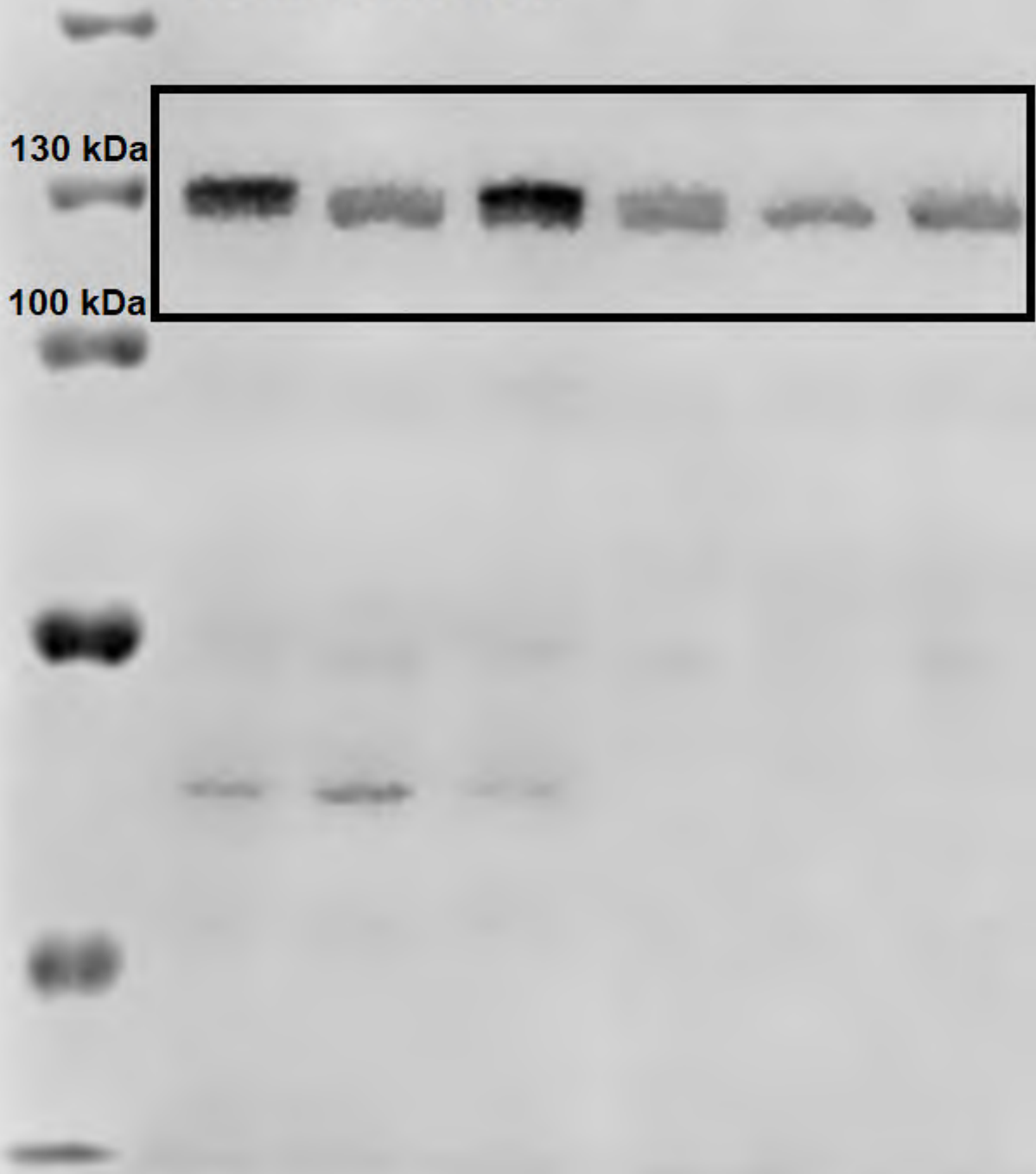


FIGURE 3C
RIGHT PANEL
MSTO-211H
ALPHA-TUBULIN
55
kDa

FIGURE 4A-RBL1/p107



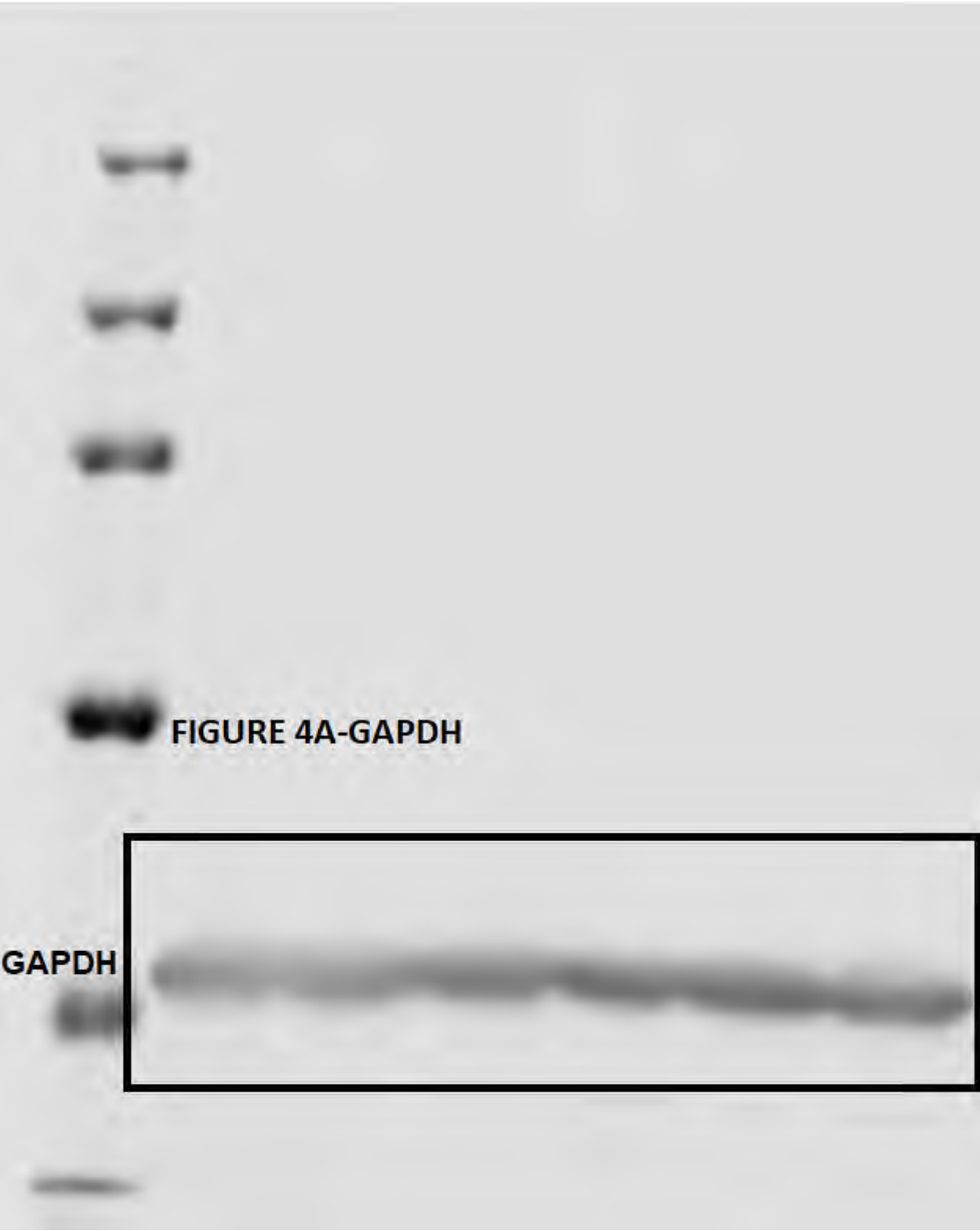


FIGURE 4A-GAPDH
GAPDH

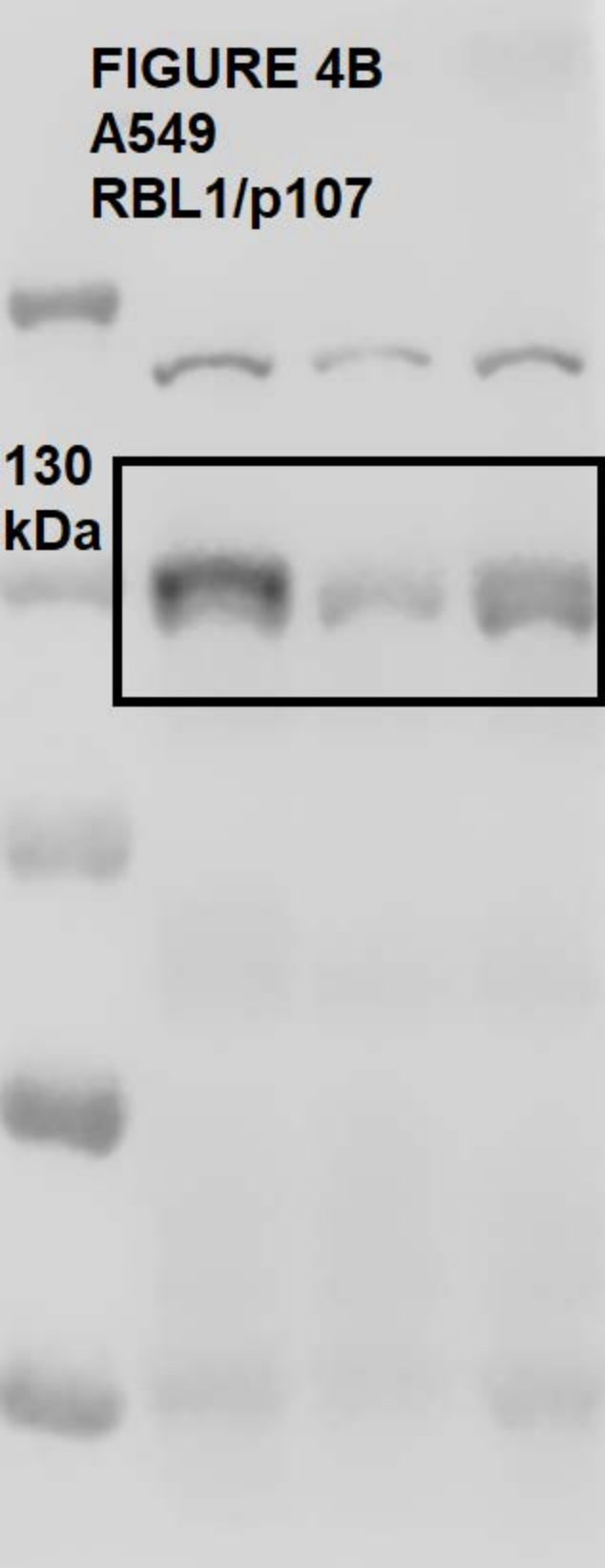


FIGURE 4B
A549
RBL1/p107
130
kDa

FIGURE 4B
A549
ALPHA-TUBULIN
OF RBL1/p107

55
kDa

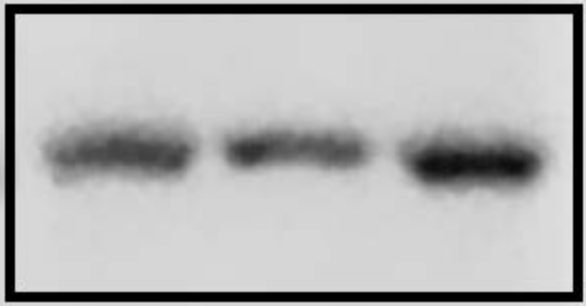
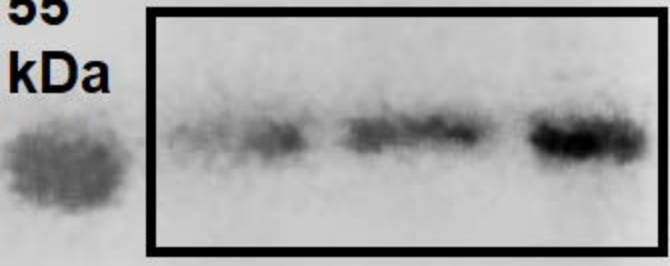


FIGURE 4B
pRBL1/pp107
A549

FIGURE 4B
A549
ALPHA-TUBULIN
OF pRBL1/pp107

55
kDa



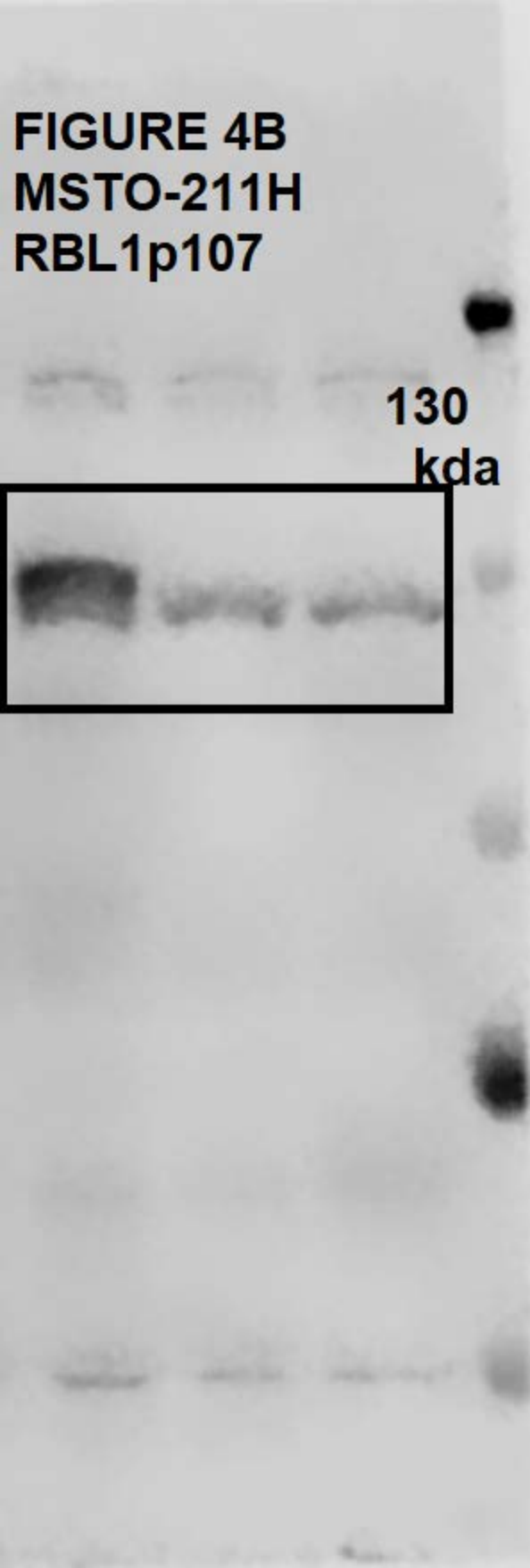
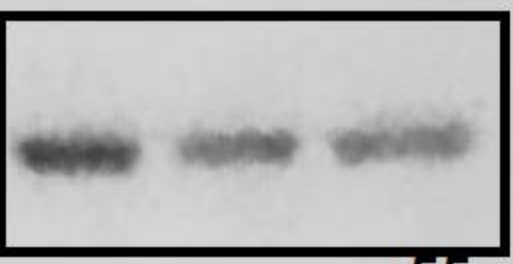


FIGURE 4B
MSTO-211H
RBL1p107
130
kda

FIGURE 4B
MSTO-211H
ALPHA-TUBULIN
OF RBL1/p107



55
kDa

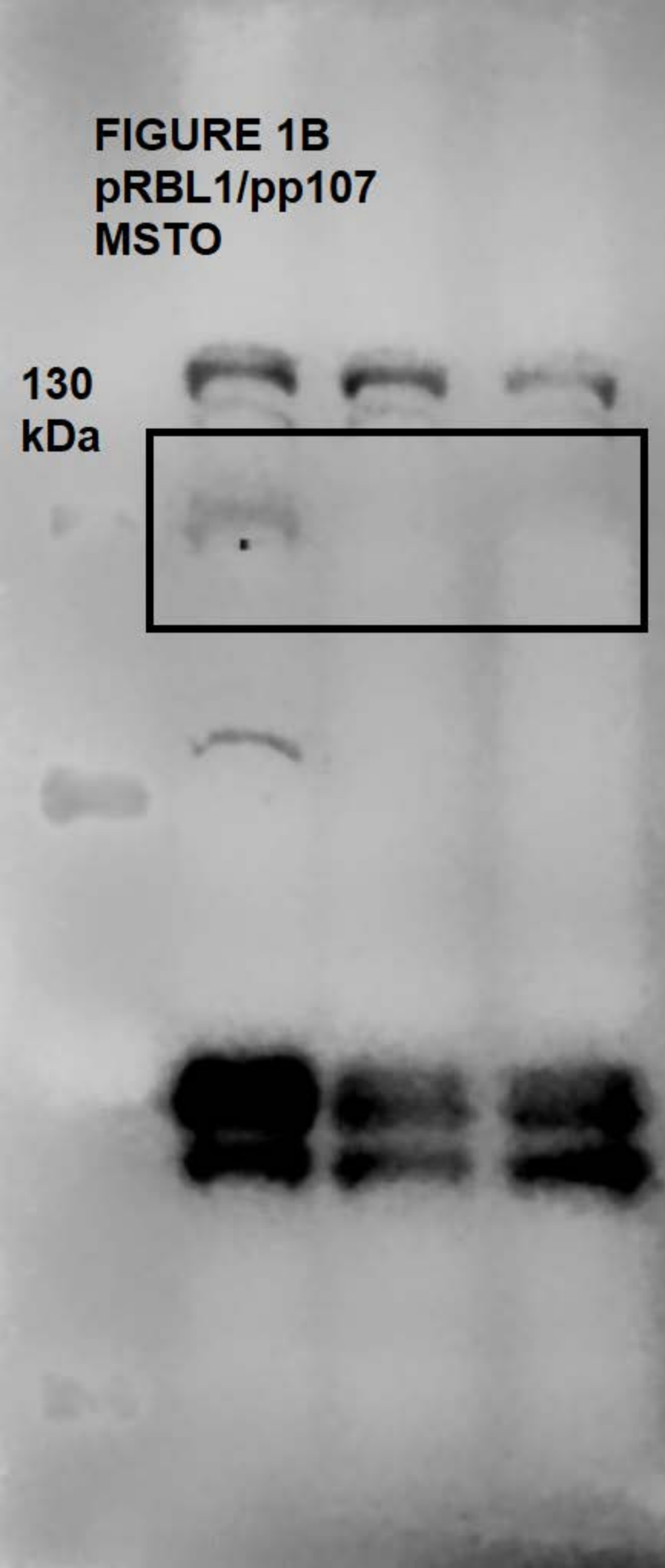


FIGURE 1B
pRBL1/pp107
MSTO
130
kDa

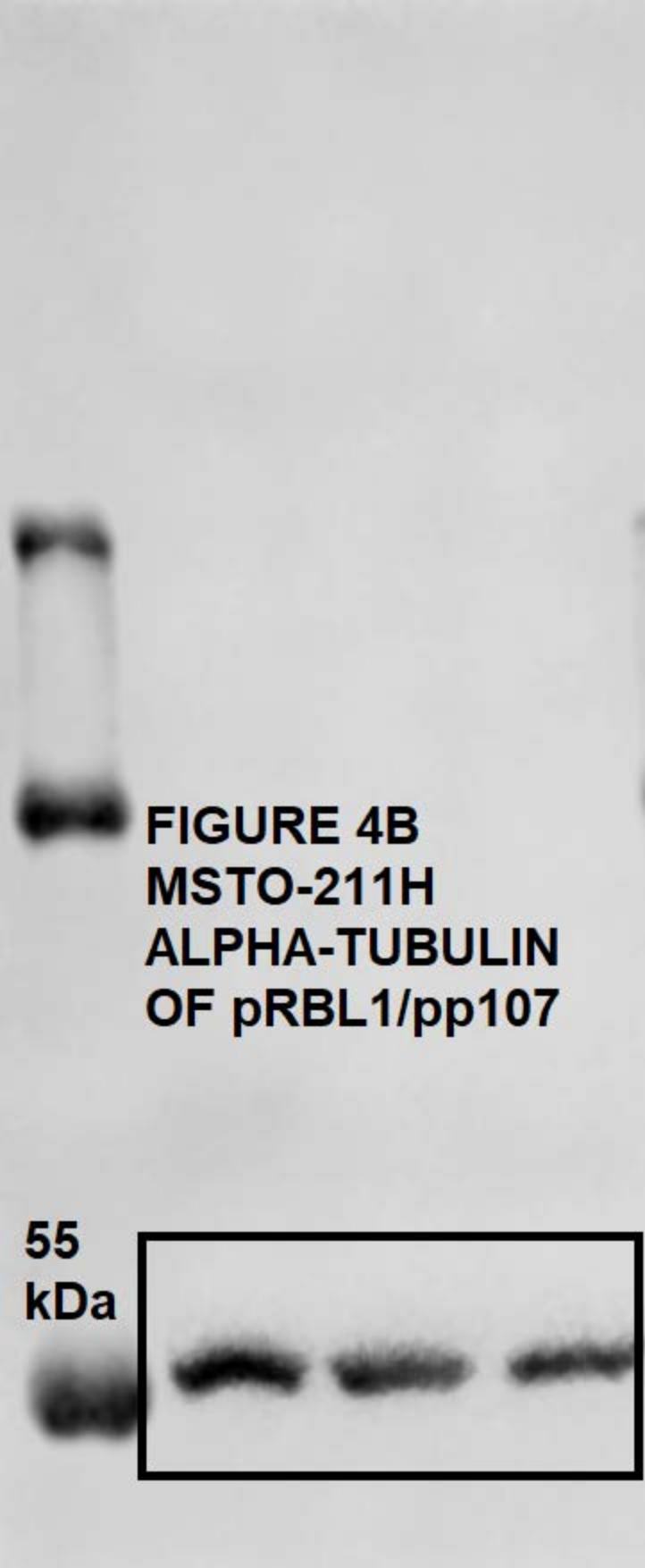


FIGURE 4B
MSTO-211H
ALPHA-TUBULIN
OF pRBL1/pp107
55
kDa

FIGURE 4D LEFT PANEL
RBL1/p107

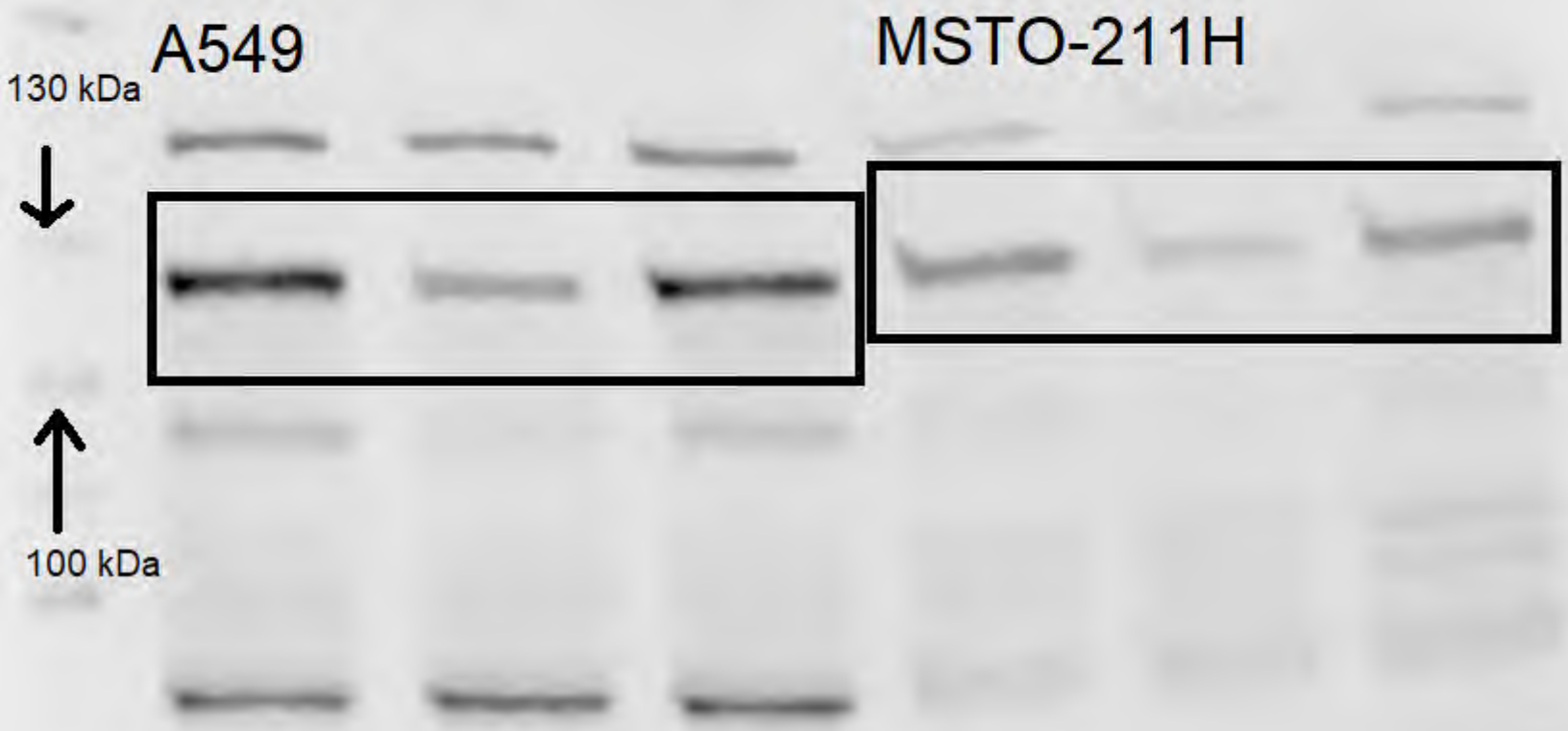


FIGURE **4D** LEFT PANEL
ACTIN

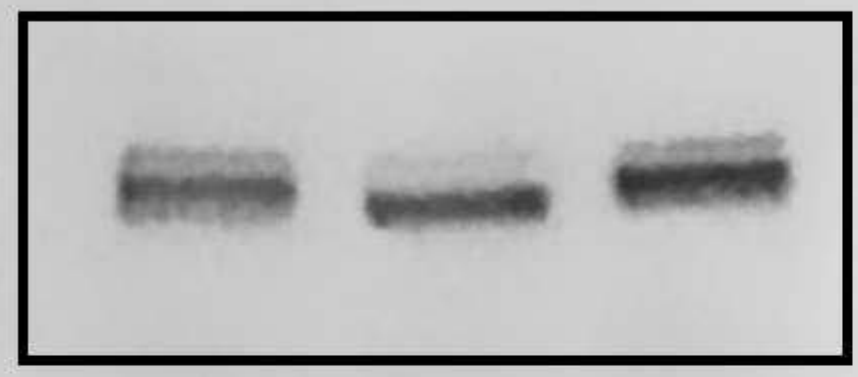


FIGURE 4D
RIGHT PANEL
RBL2/p130
A549

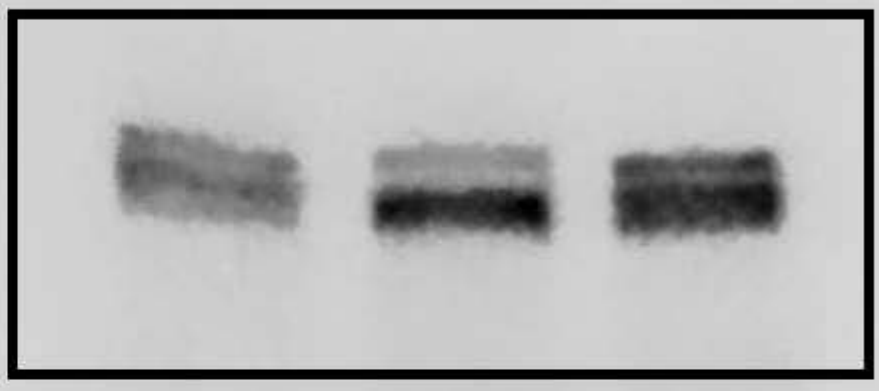


FIGURE 4D
RIGHT PANEL
RBL2/p130
MSTO-211H

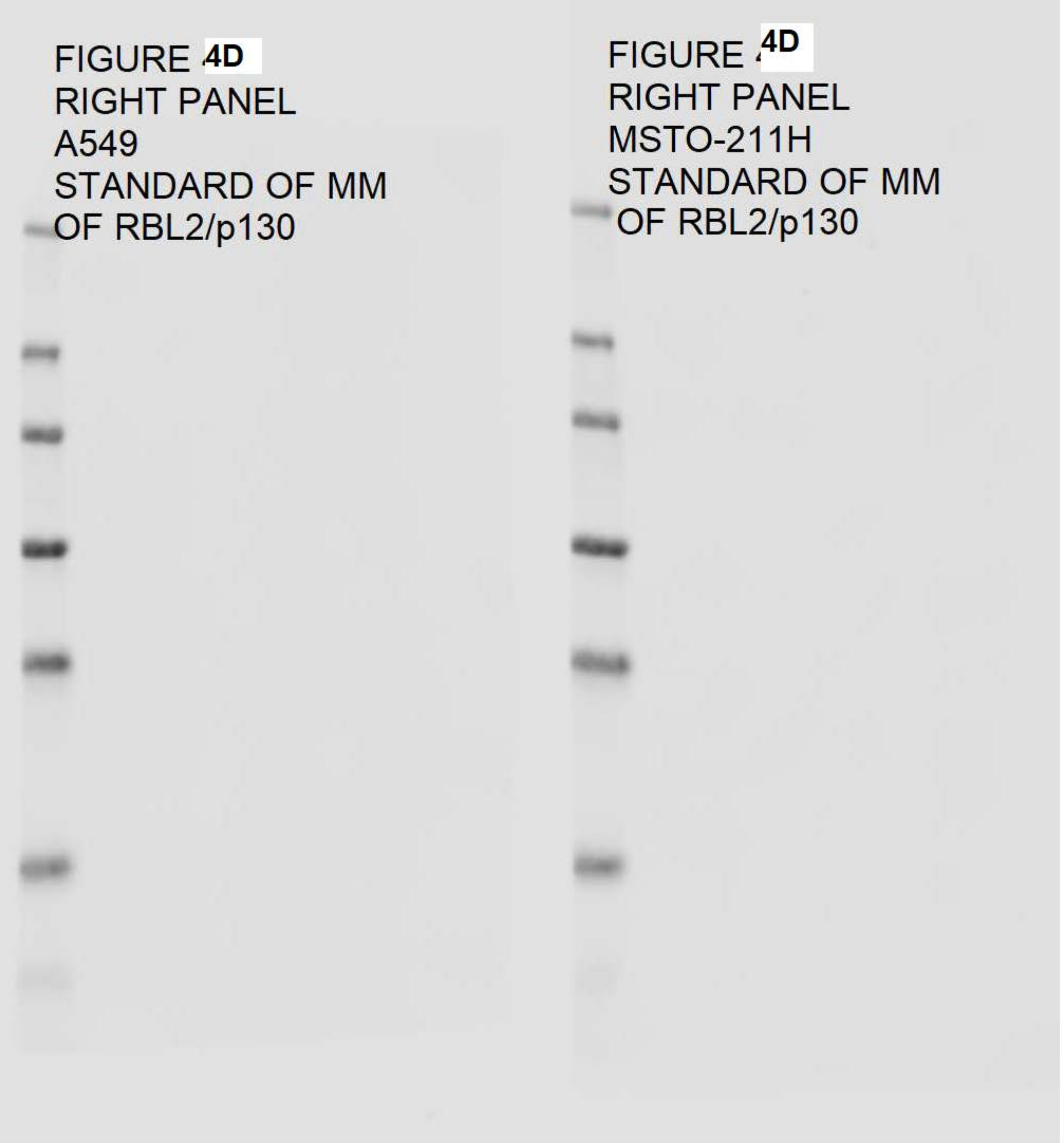
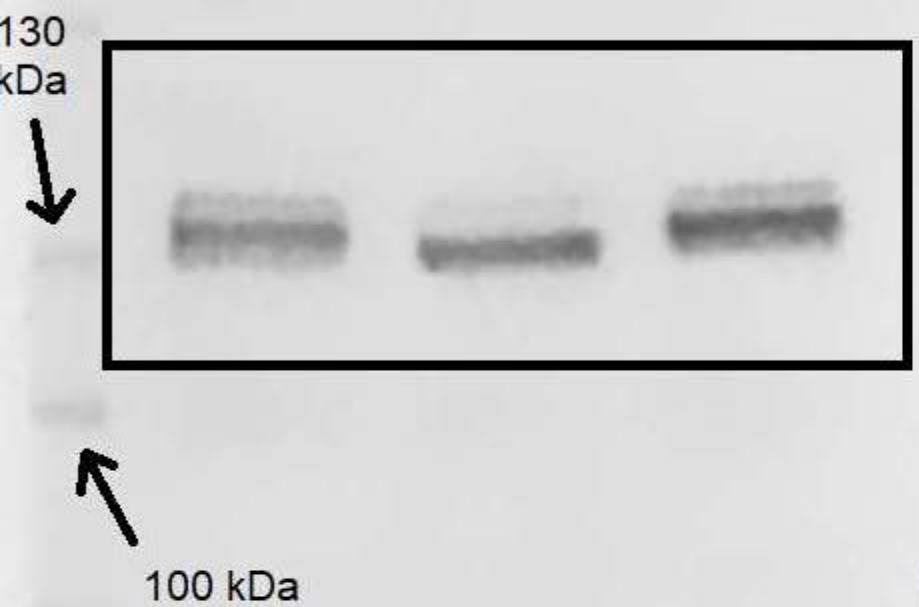


FIGURE 4D
RIGHT PANEL
A549
STANDARD OF MM
OF RBL2/p130
FIGURE 4D
RIGHT PANEL
MSTO-211H
STANDARD OF MM
OF RBL2/p130

FIGURE 4D
RIGHT PANEL
MERGE OF RBL2/p130 AND OF THE STANDARD OF MM



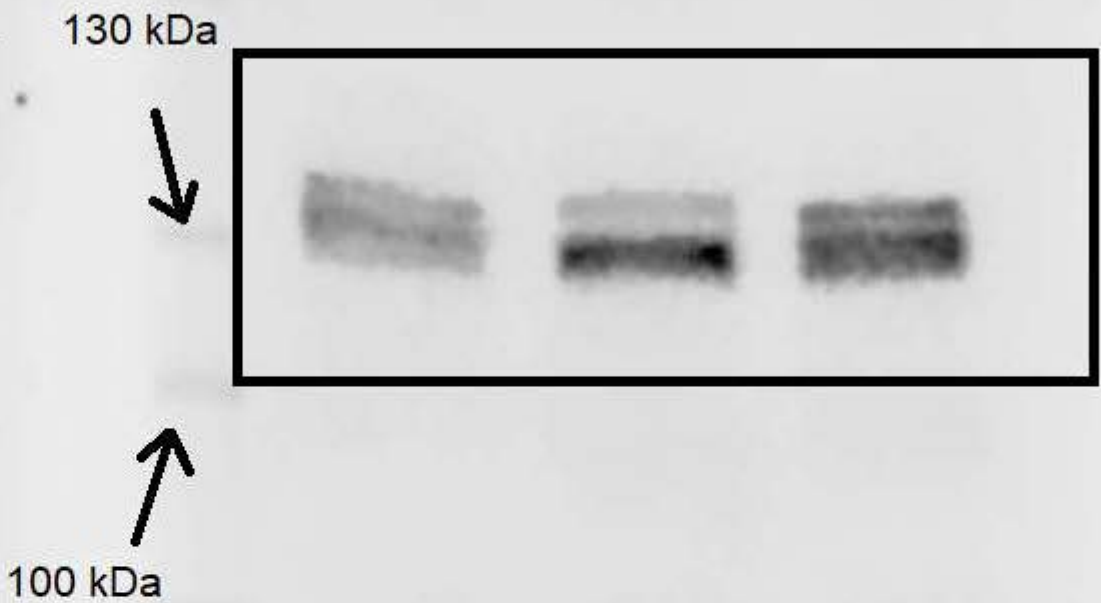


FIGURE 4D
RIGHT PANEL
RBL2/p130
A549

FIGURE 4D
RIGHT PANEL
RBL2/p130
MSTO-211H

FIGURE 4D
RIGTH PANEL
BETA-ACTIN
A549

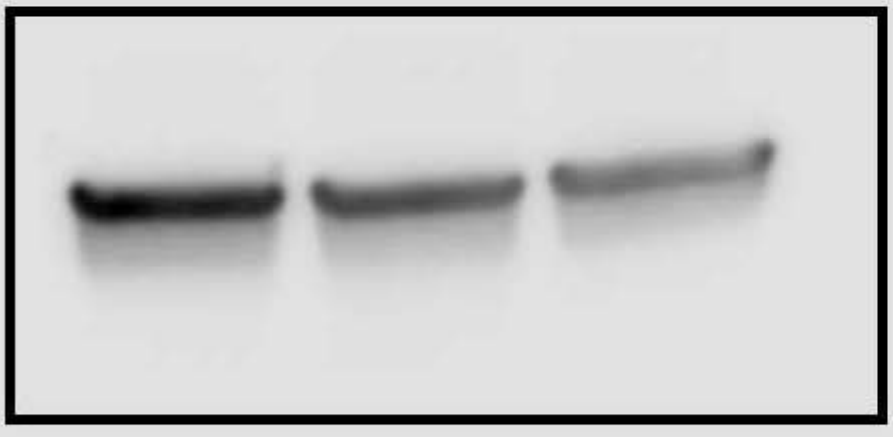


FIGURE 4D
RIGHT PANEL
BETA-ACTIN
MSTO-211H

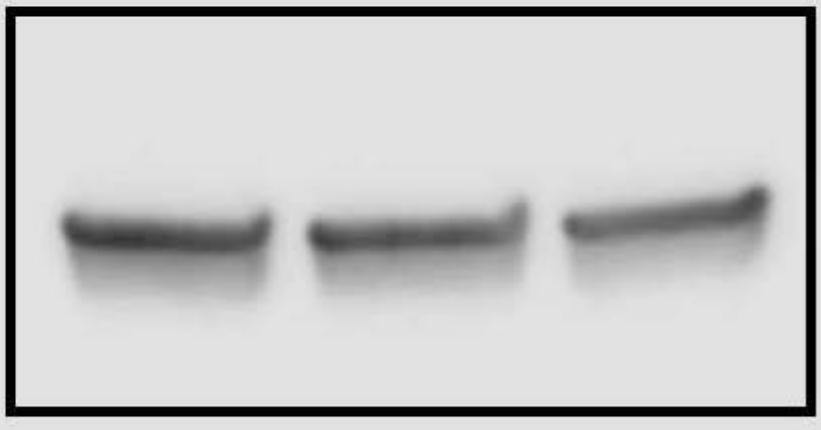


FIGURE 4D
RIGHT PANEL
A549
STANDARD OF MM OF
BETA-ACTIN

FIGURE 4D
RIGHT PANEL
MSTO-211H
STANDARD OF MM OF
BETA-ACTIN

FIGURE 4D
RIGHT PANEL
MERGE OF BETA-ACTIN AND THE STANDARD OF MOLECULAR MASS

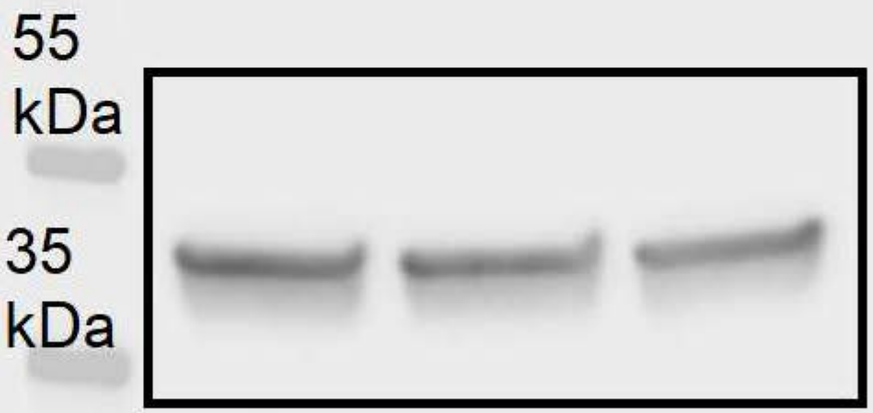


FIGURE 4D
RIGHT PANEL
A549
BETA-ACTIN

FIGURE 4D
RIGHT PANEL
MSTO-211H
BETA-ACTIN

FIGURE 4E RBL1/p107

LEFT PANEL A549

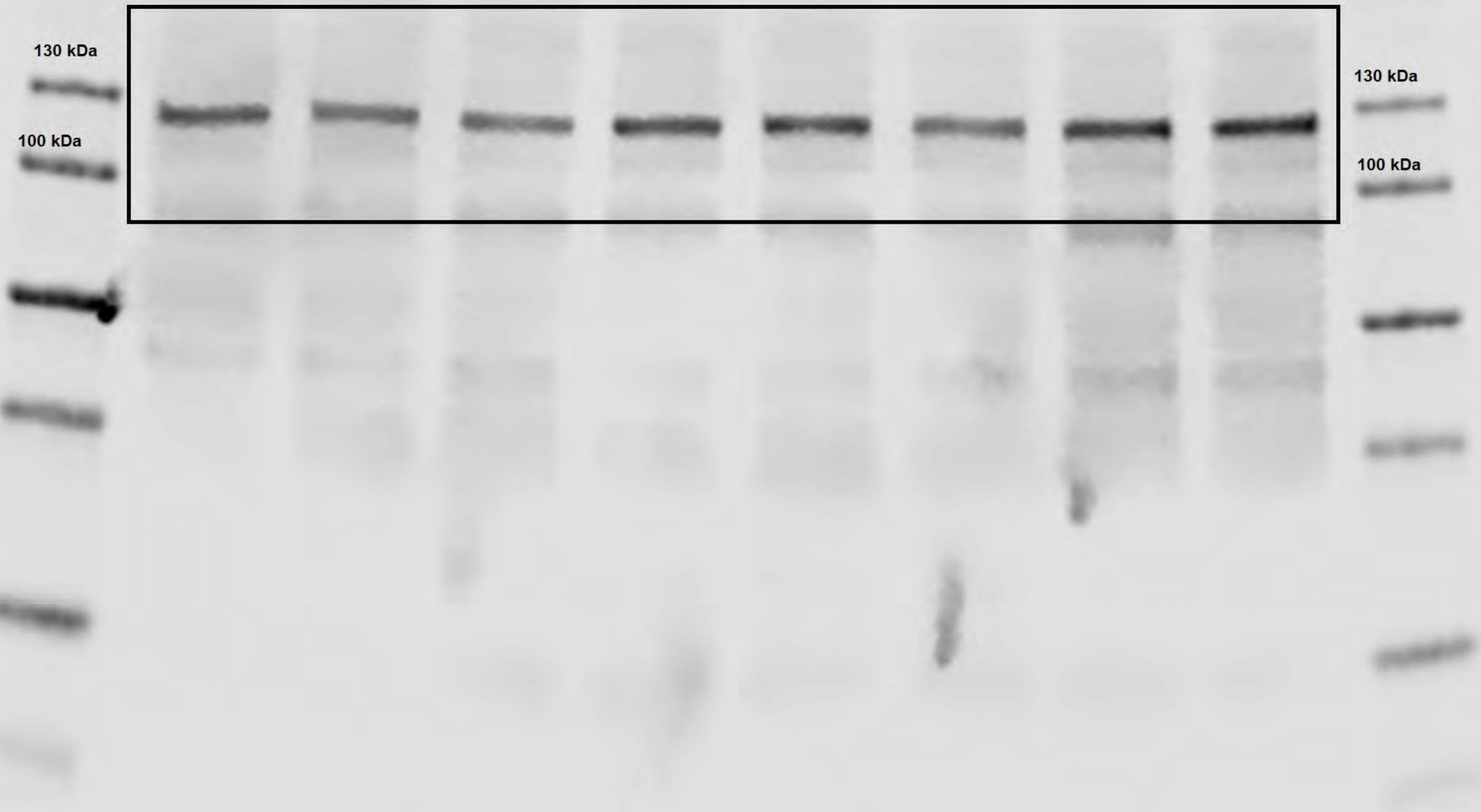


FIGURE 4E -CAMKS

LEFT PANEL
A549

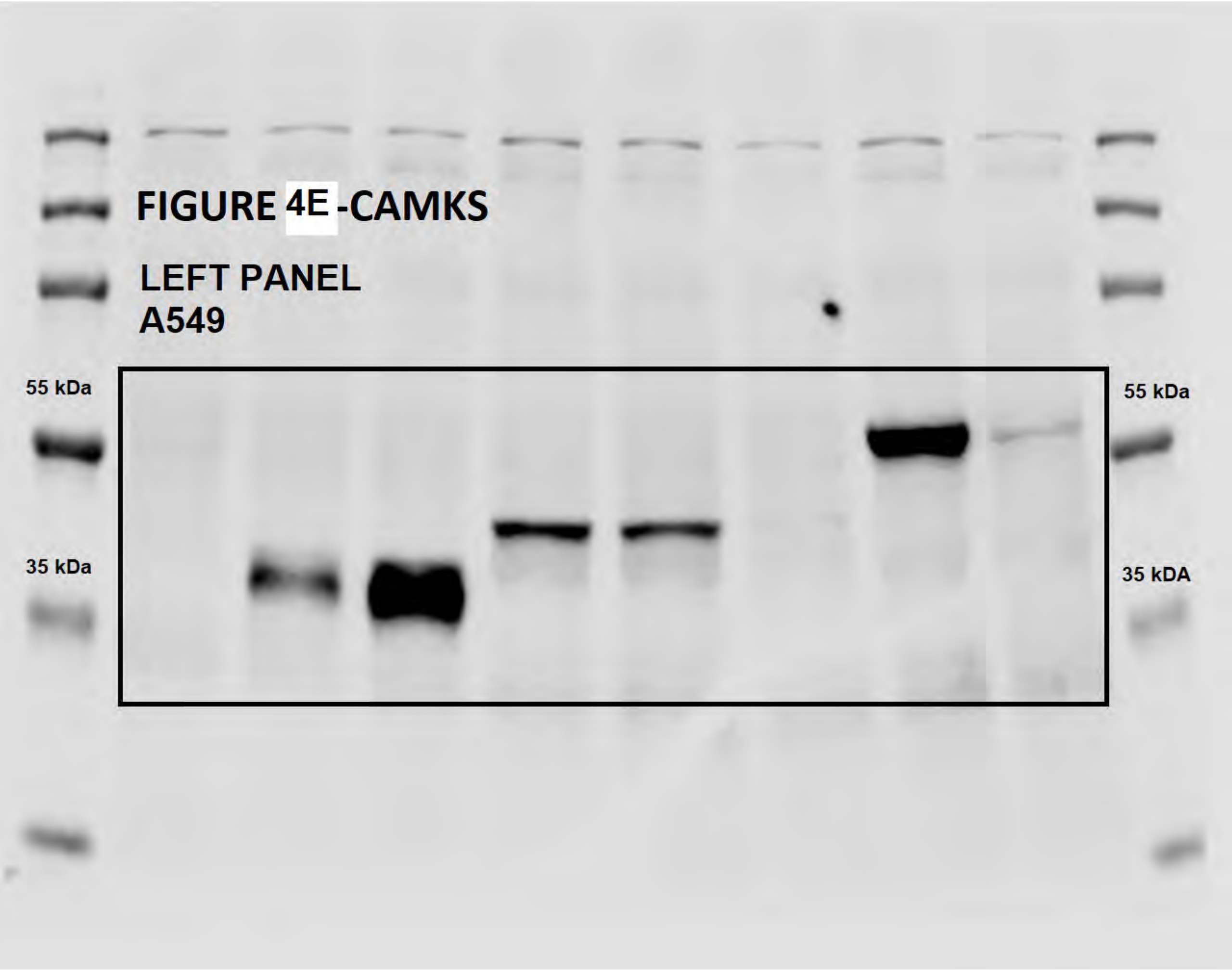


FIGURE 4E -GAPDH
LEFT PANEL
A549

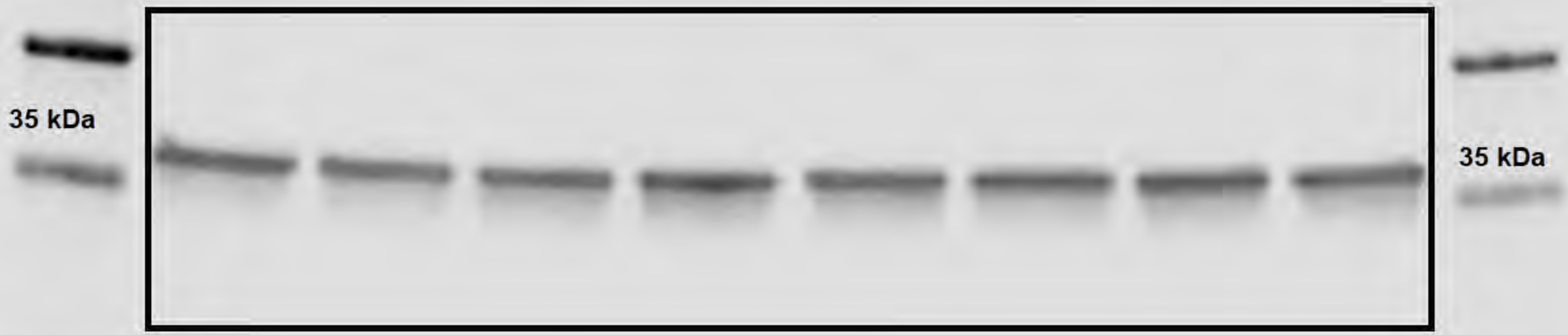


FIGURE 4E
RIGHT PANEL-MSTO-211H
RBL1/p107

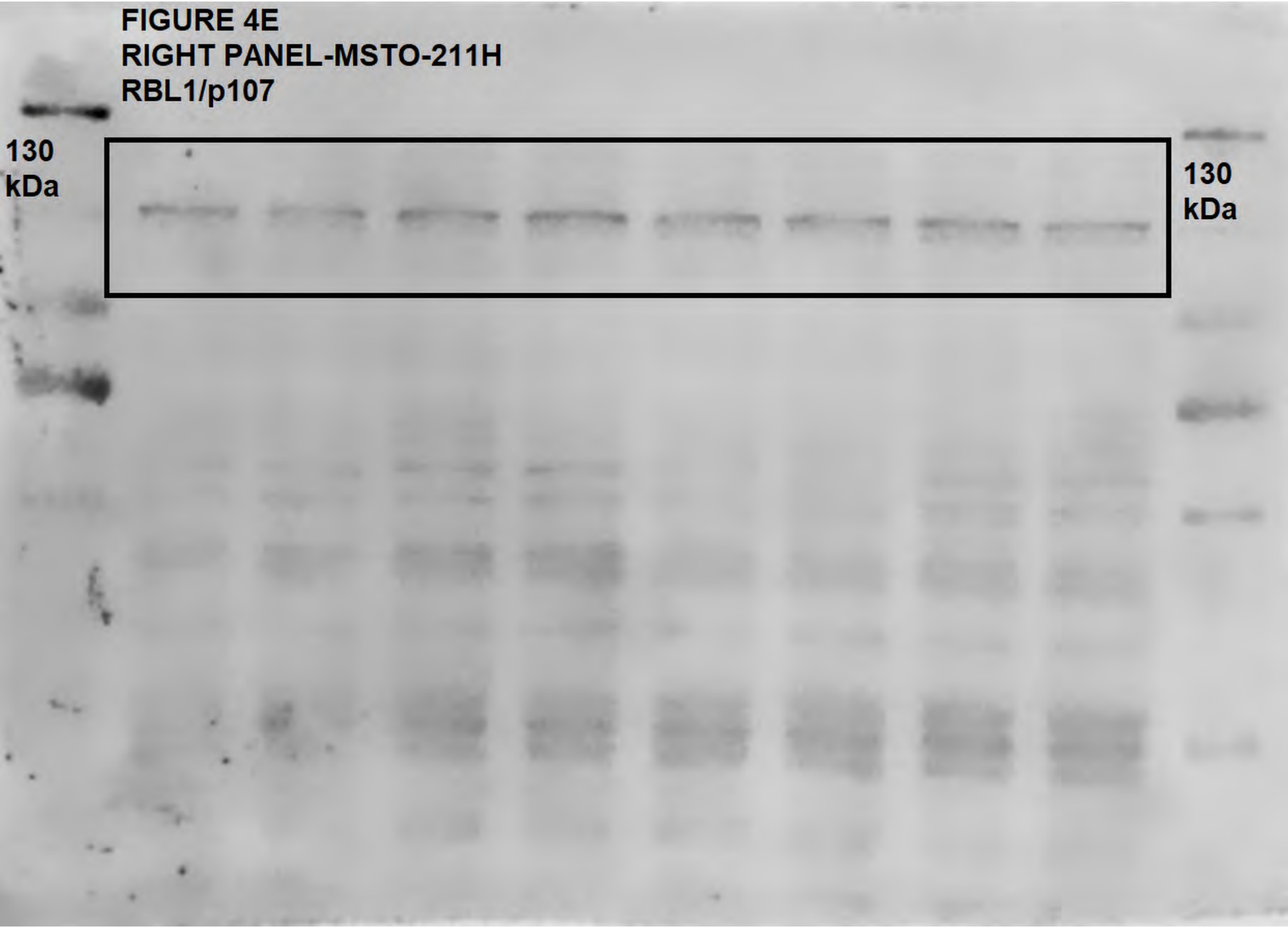


FIGURE 4E
RIGHT PANEL
MSTO-211H
CamKs

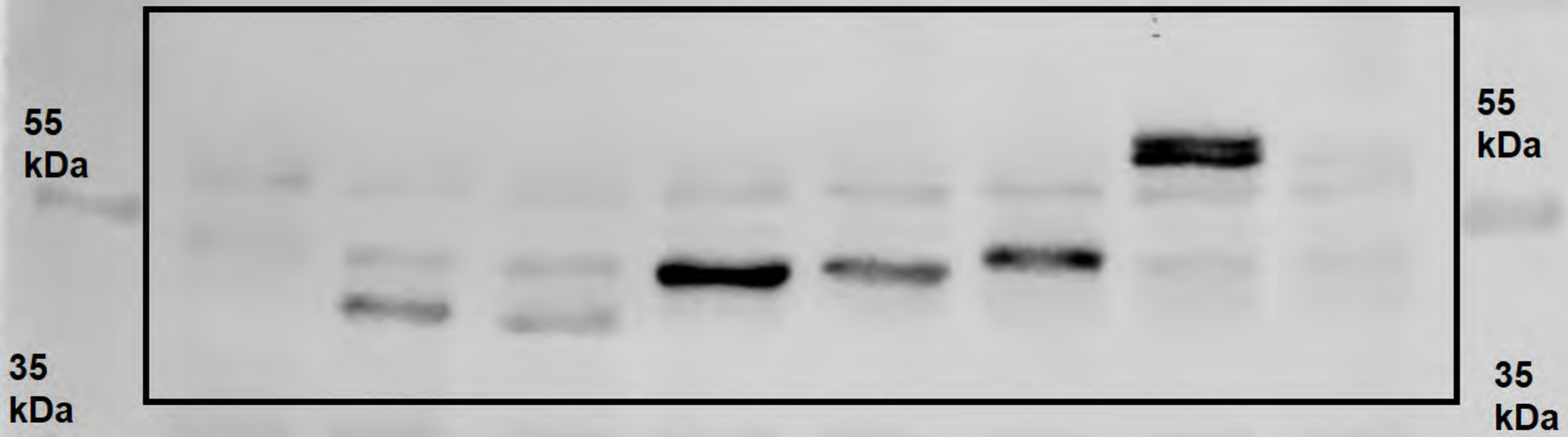


FIGURE 4E
RIGHT PANEL
MSTO-211H
GAPDH

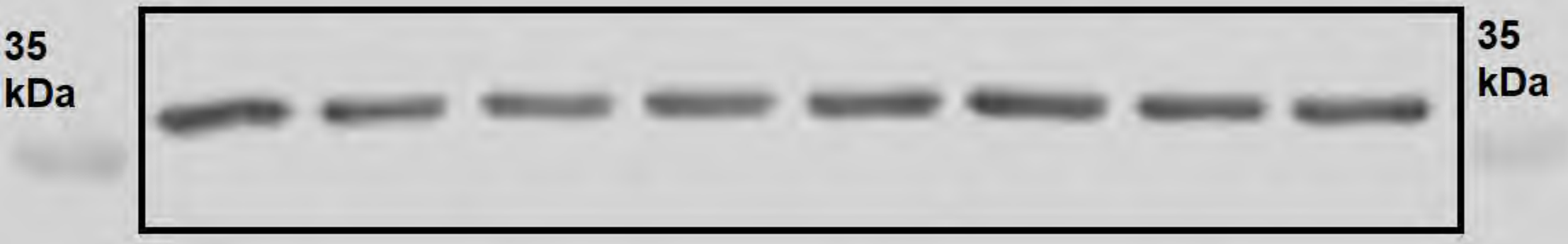
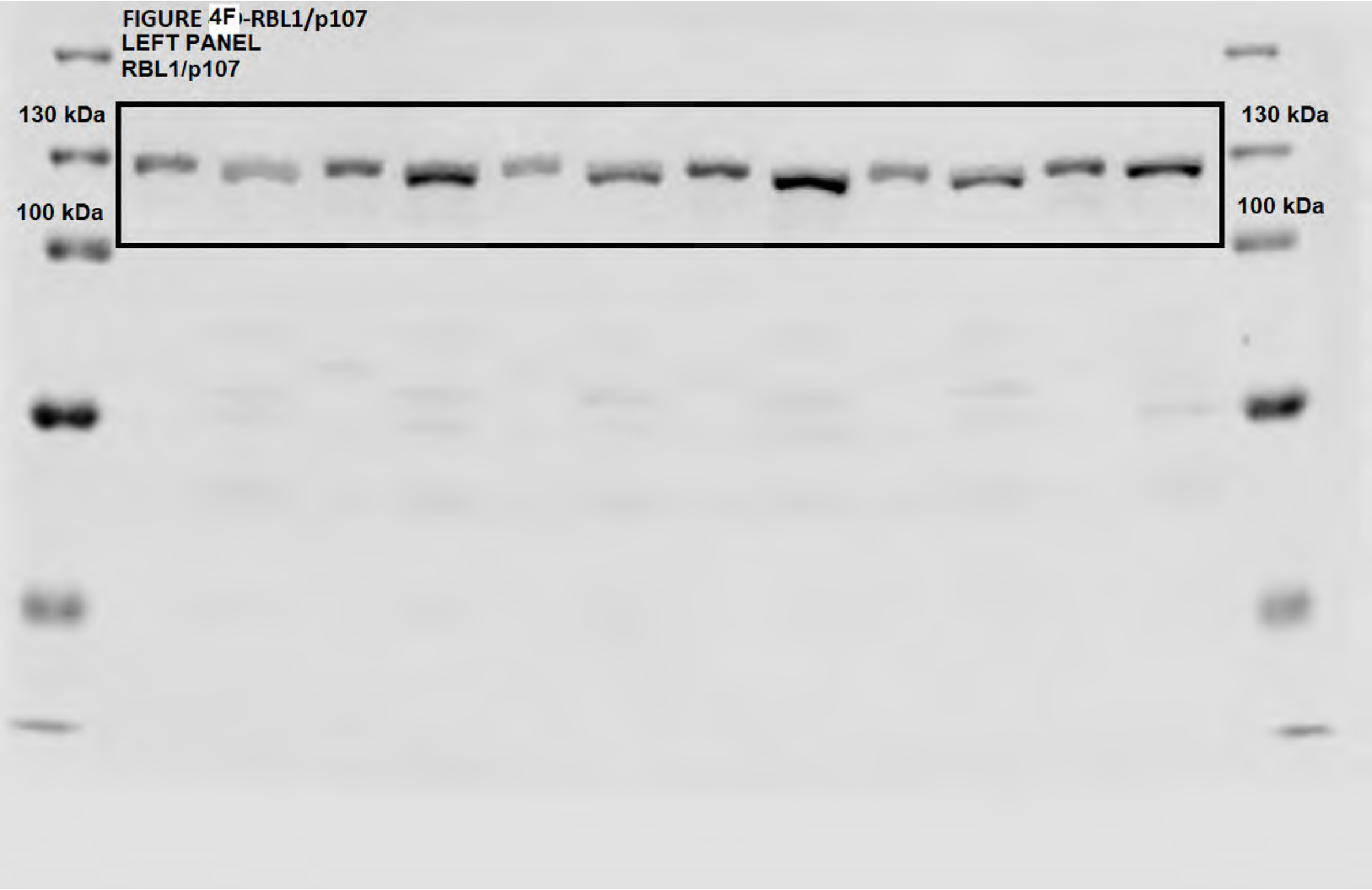


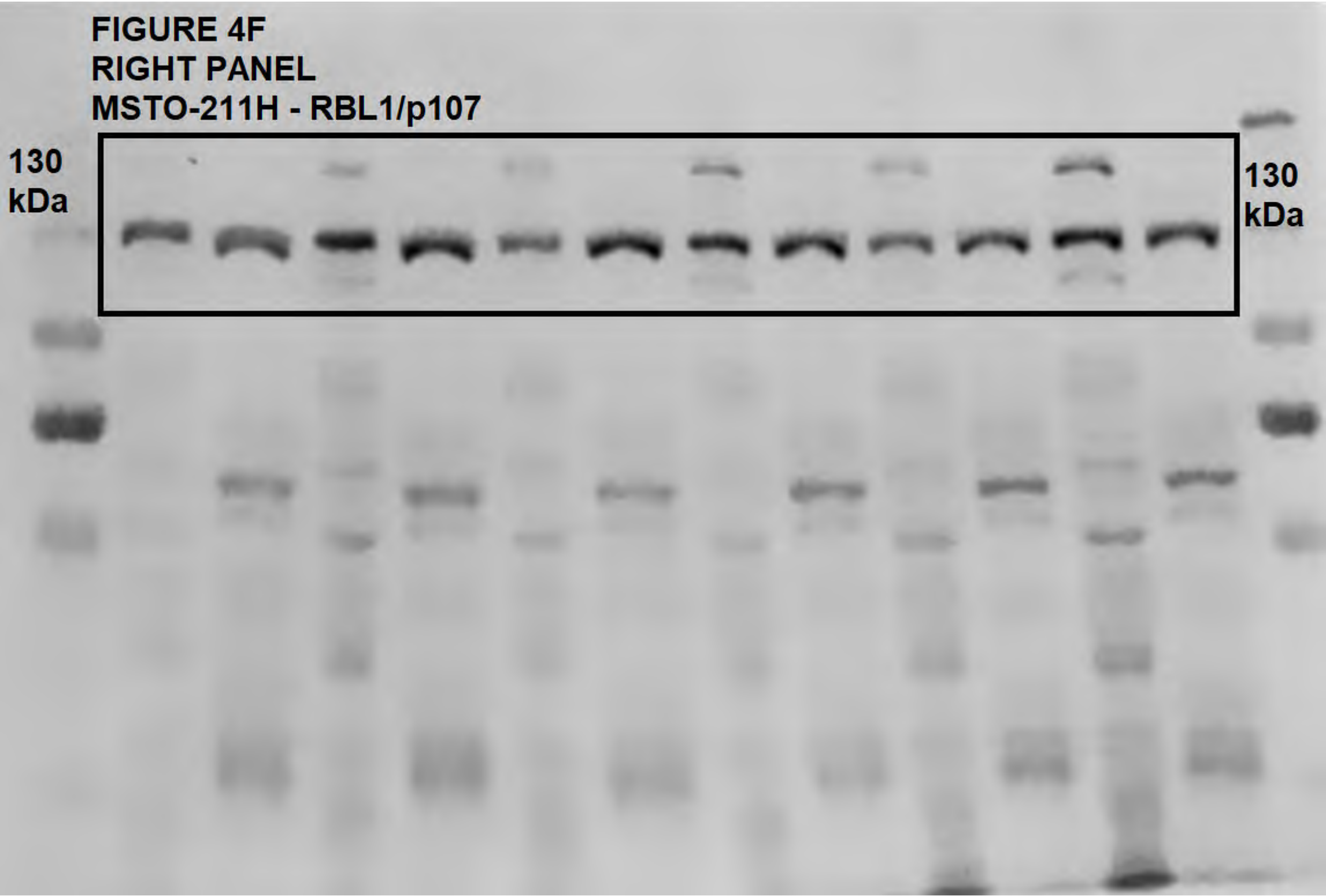
FIGURE 4F -RBL1/p107
LEFT PANEL
RBL1/p107



55 kDa
55 kDa
FGURE 4F -ALPHA TUBULIN
LEFT PANEL
A549

FIGURE 4F -LAMIN A/C
LEFT PANEL
A549
100 kDa
55 kDa
100 kDa
55 kDa

FIGURE 4F
RIGHT PANEL
MSTO-211H - RBL1/p107



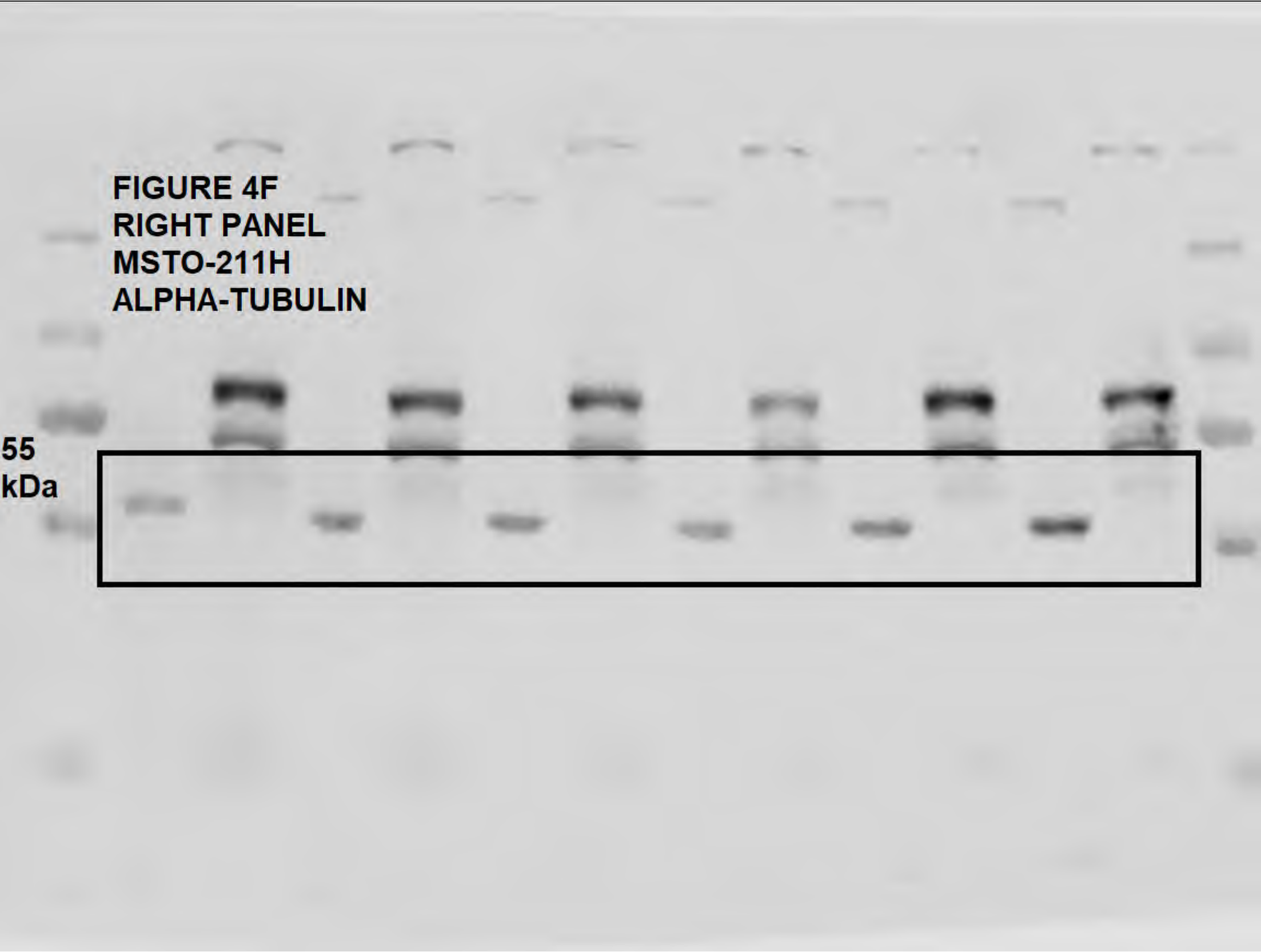


FIGURE 4F
RIGHT PANEL
MSTO-211H
ALPHA-TUBULIN
55
kDa

FIGURE 4F
RIGHT PANEL
MSTO-211H
LAMIN A/C

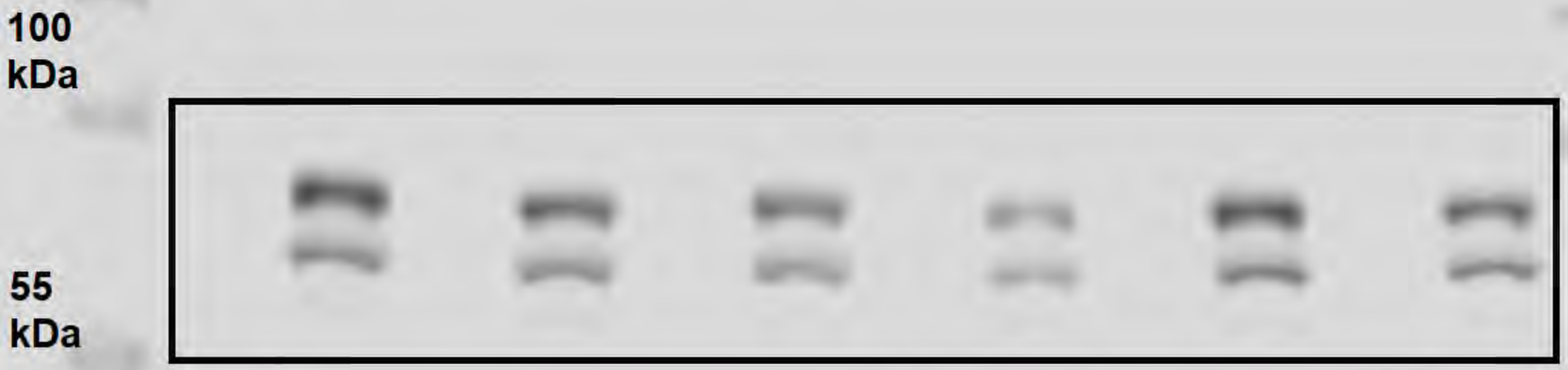


FIGURE 5B
CycD1

35
kDa

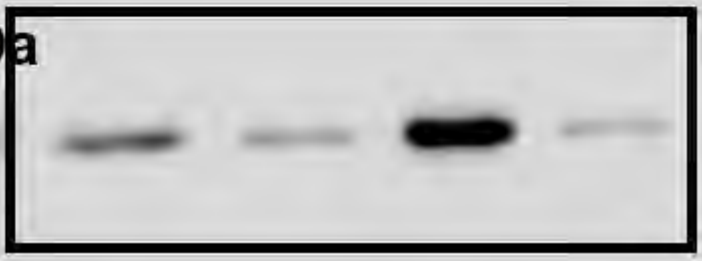


FIGURE 5B
beta-actin
of CycD1

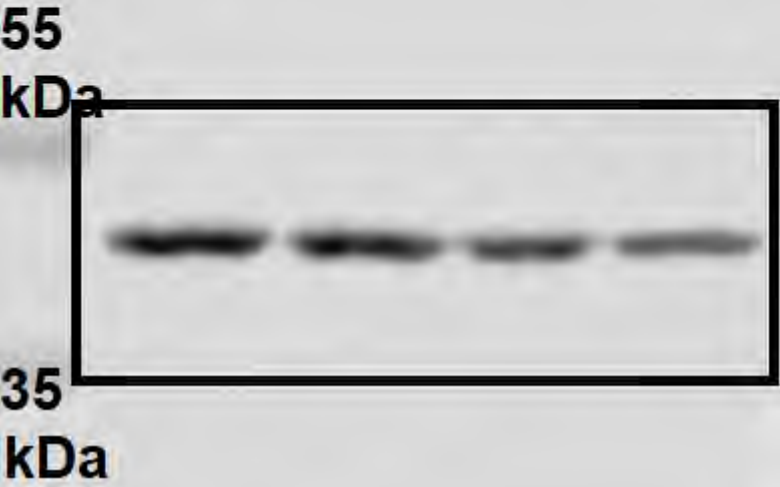


FIGURE 5B
CycD3

35
kDa

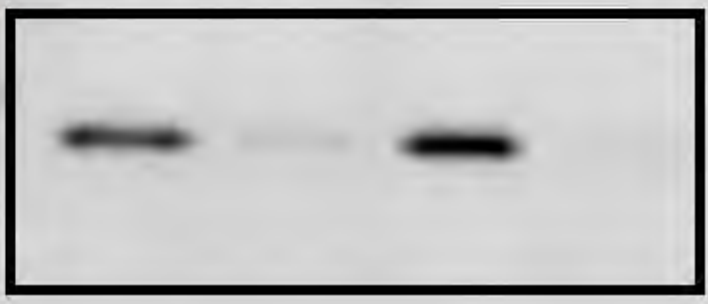
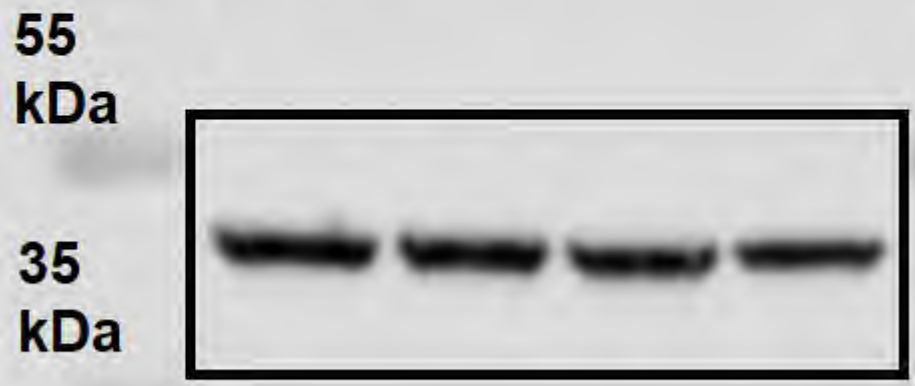


FIGURE 5B
beta-actin of
CycD3



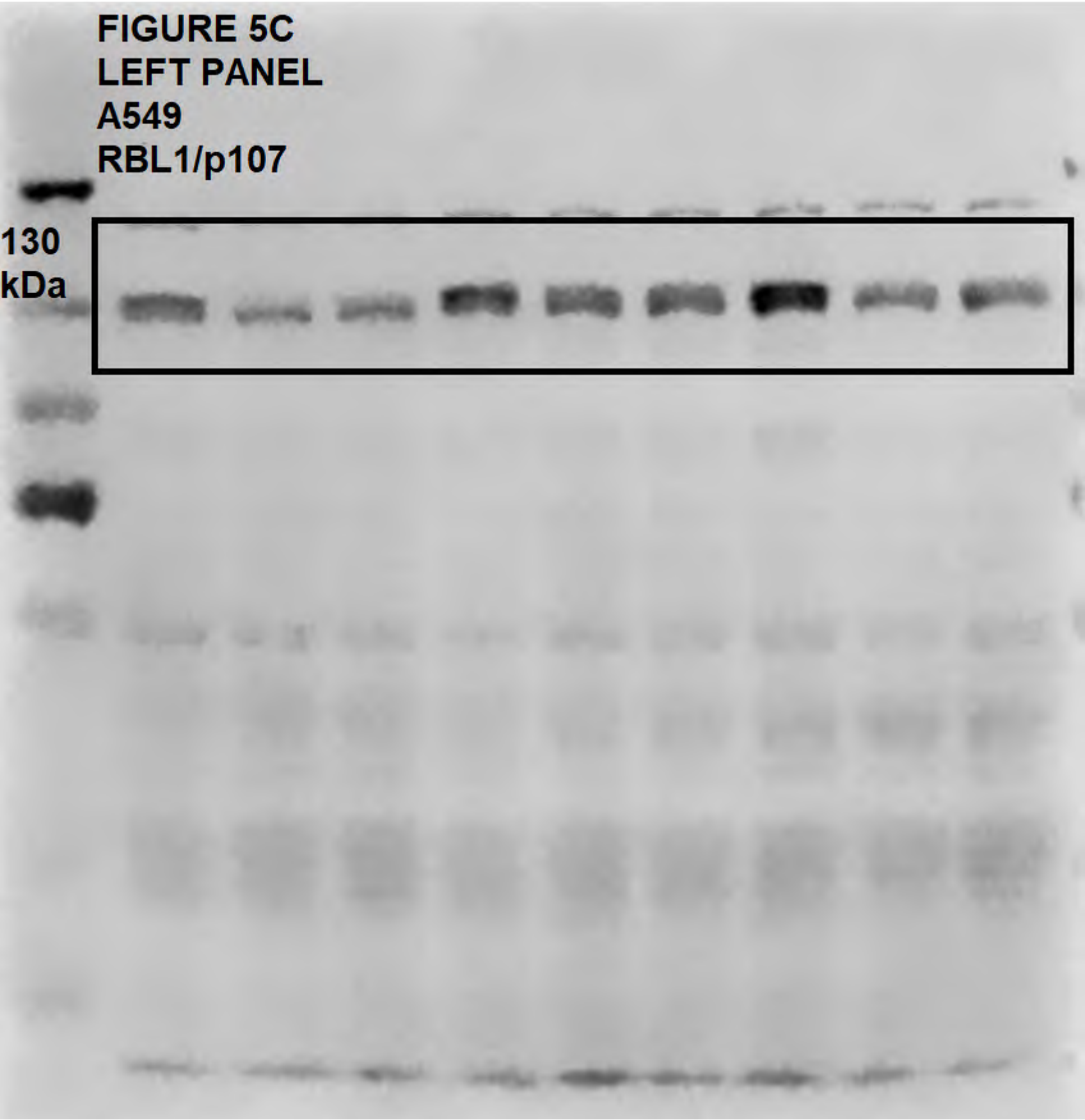


FIGURE 5C
LEFT PANEL
A549
RBL1/p107
130
kDa

FIGURE 5C
LEFT PANEL
A549
CycD1

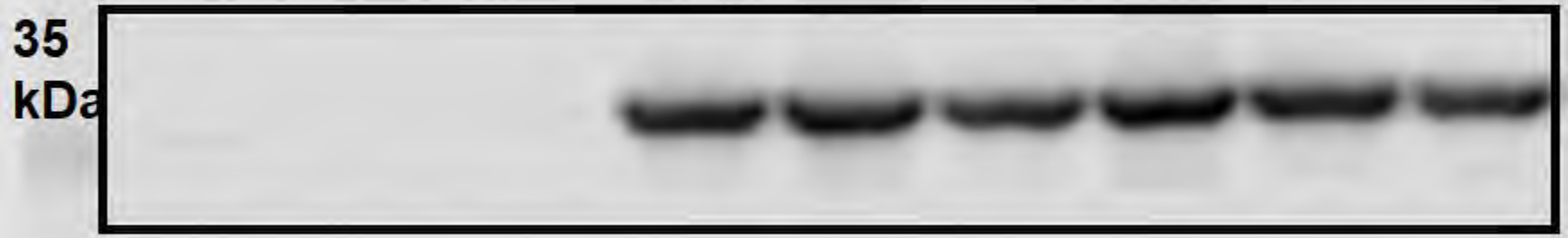


FIGURE 5C
LEFT PANEL
A549
CDK6

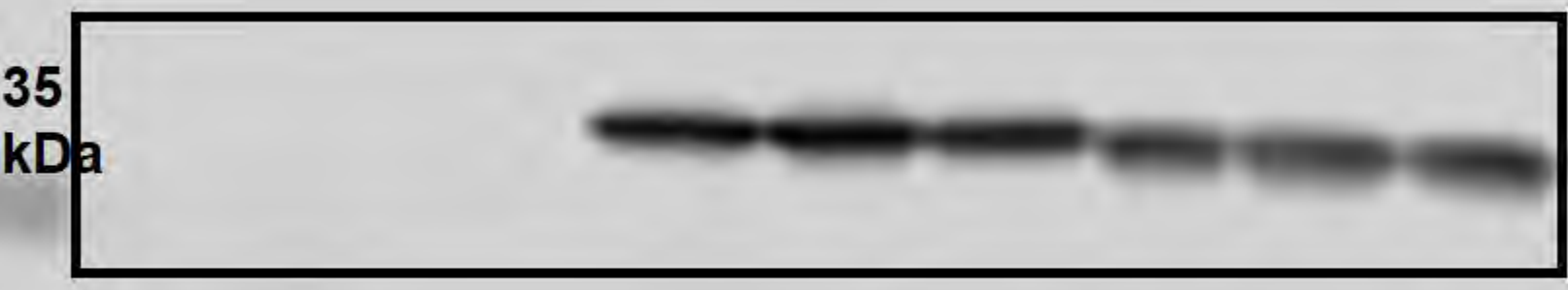
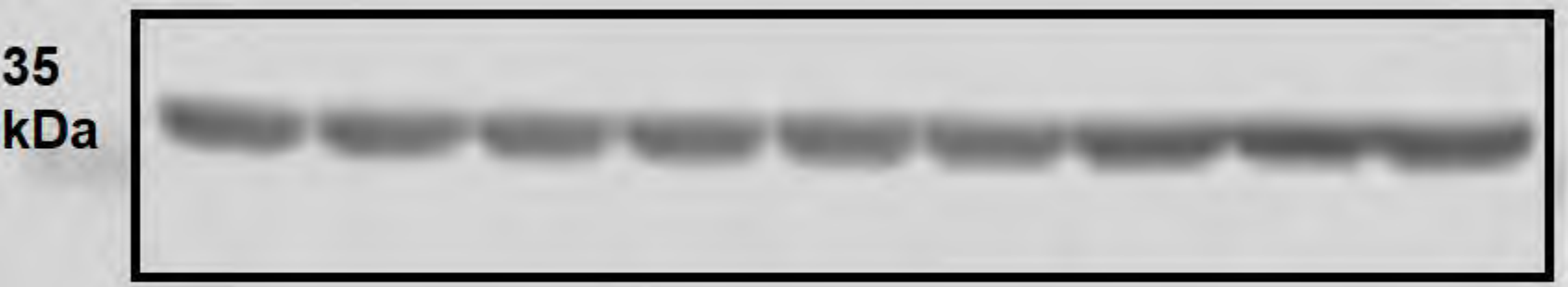


FIGURE 5C
LEFT PANEL
A549
GAPDH



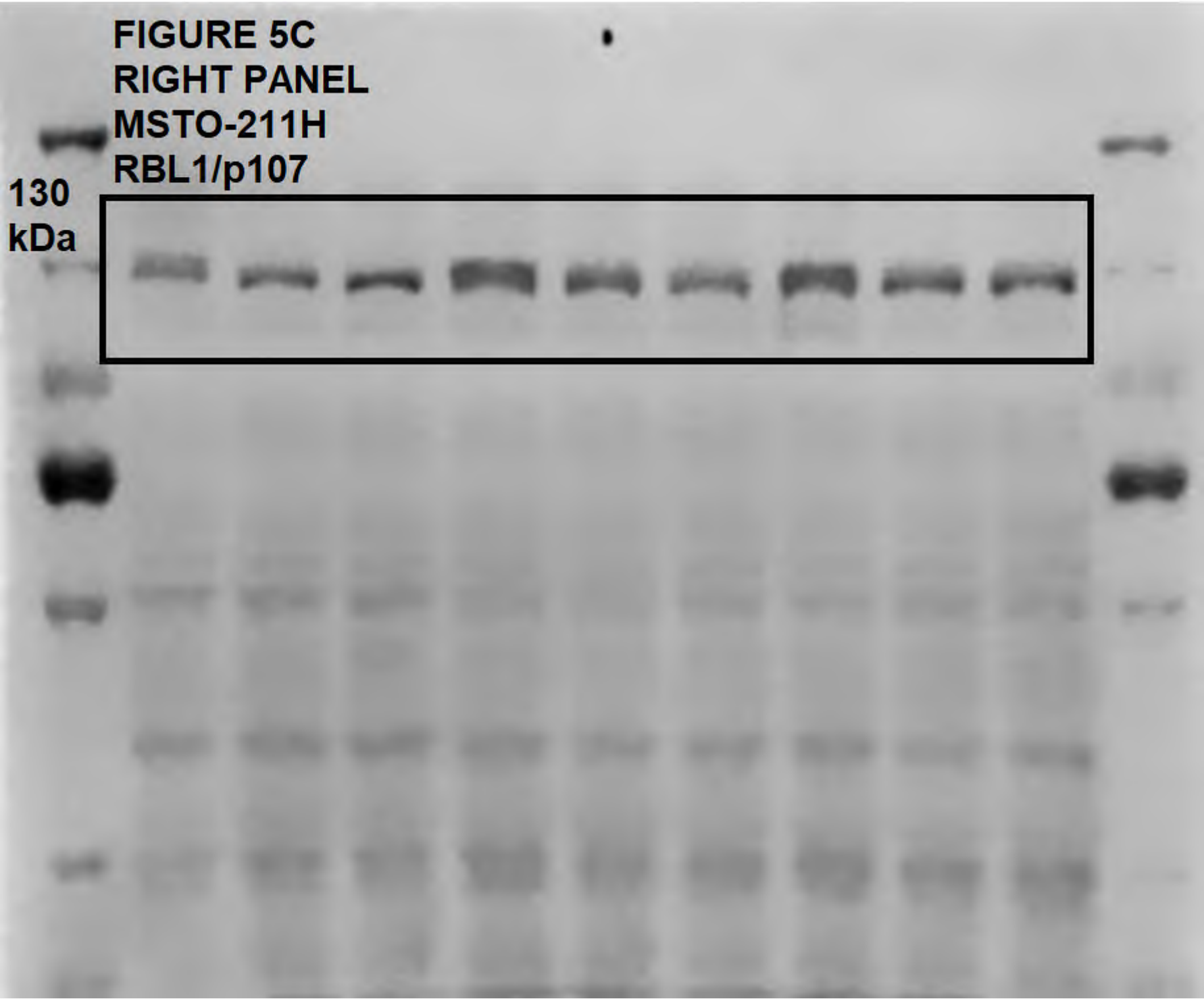


FIGURE 5C
RIGHT PANEL
MSTO-211H
RBL1/p107
130
kDa

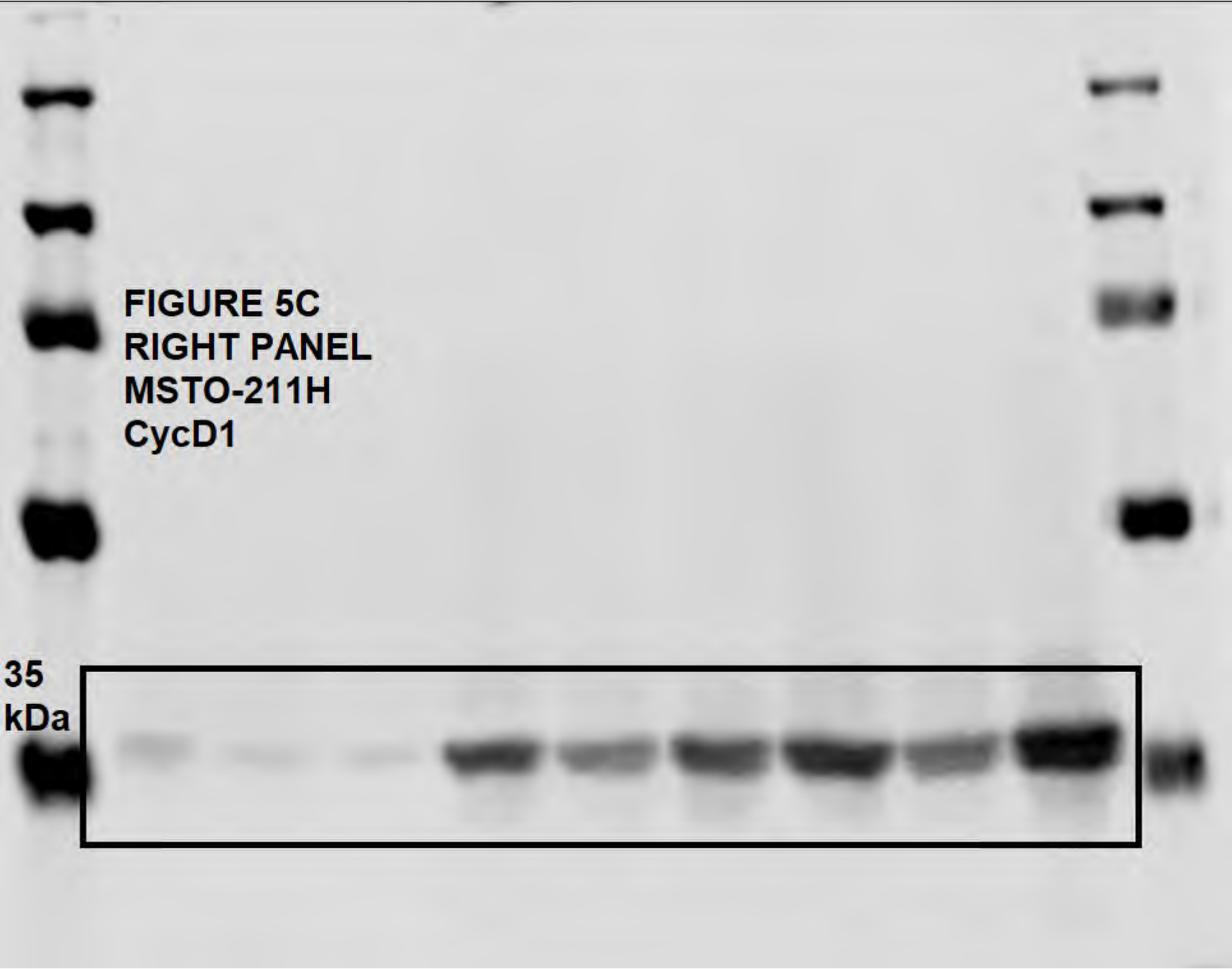


FIGURE 5C
RIGHT PANEL
MSTO-211H
CycD1
35
kDa

FIGURE 5C
RIGHT PANEL
MSTO-211H
CDK6

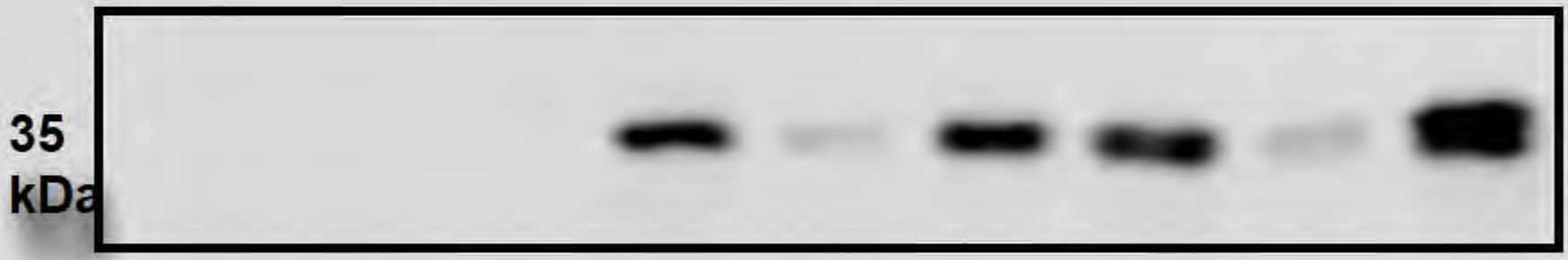
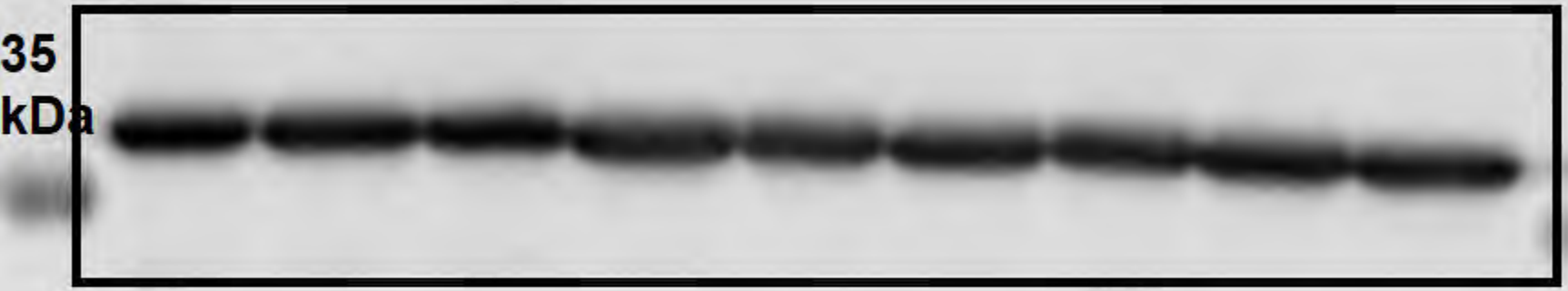


FIGURE 5C
RIGHT PANEL
MSTO-211H
GAPDH



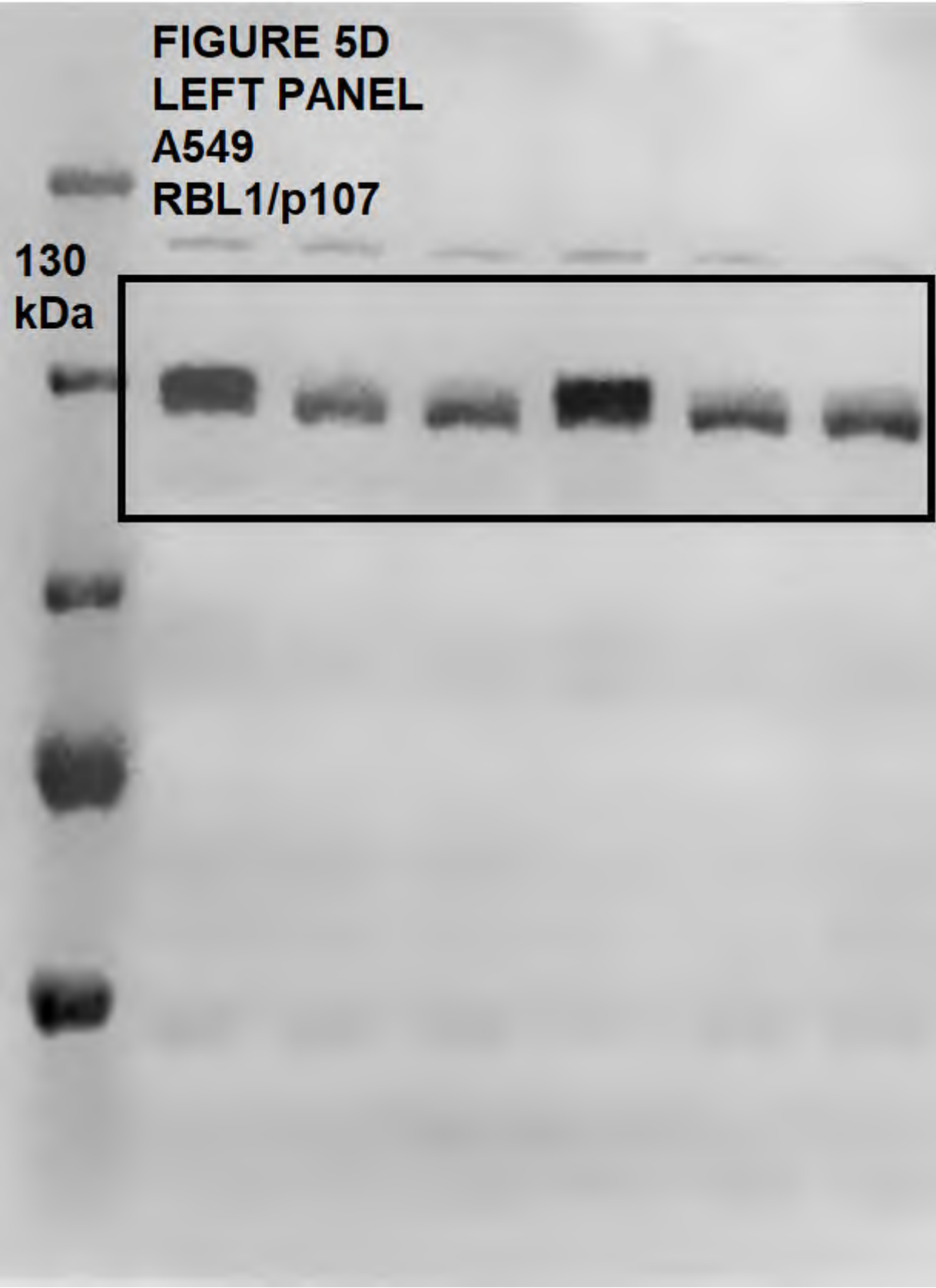


FIGURE 5D
LEFT PANEL
A549
RBL1/p107
130
kDa

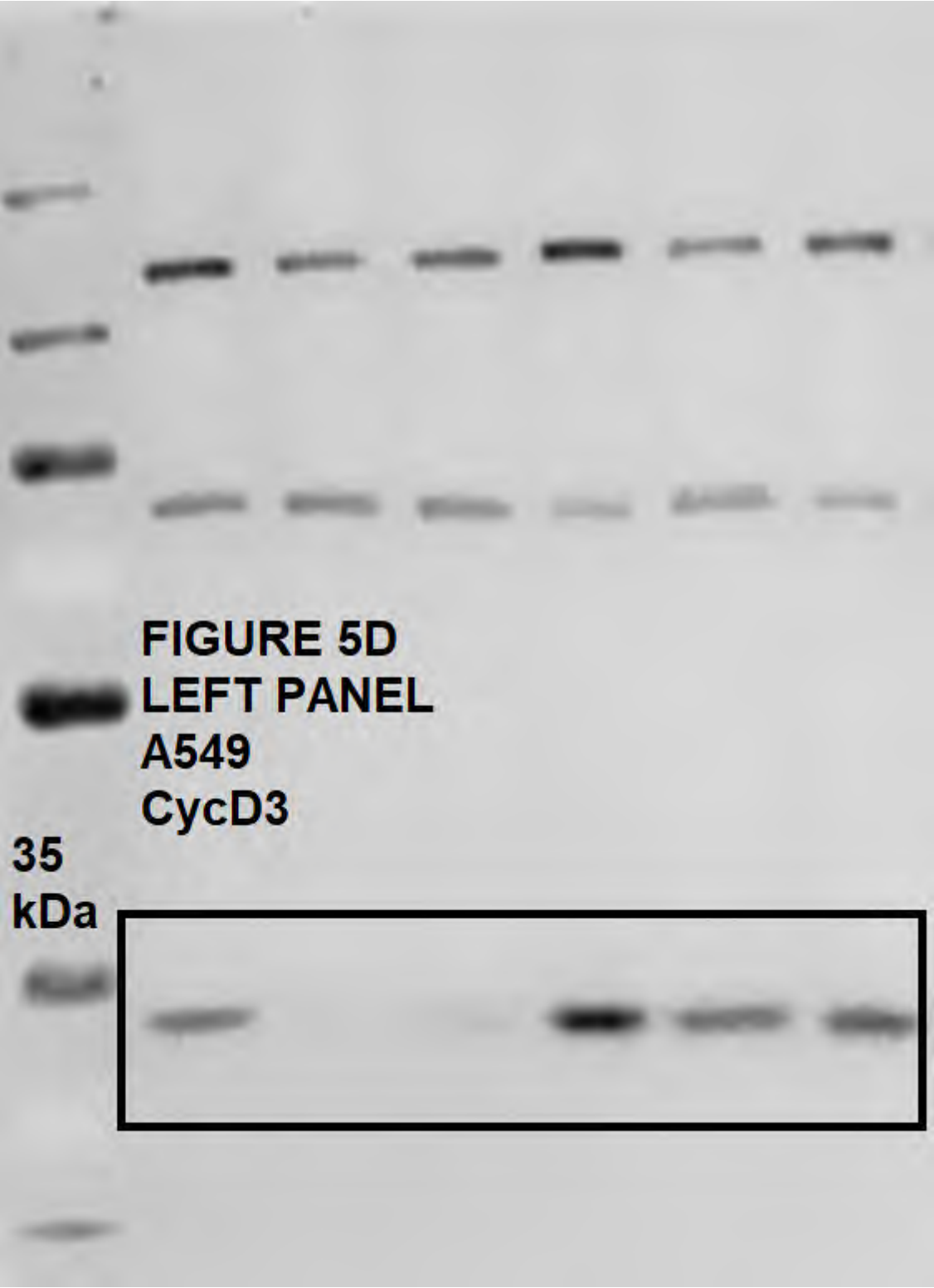
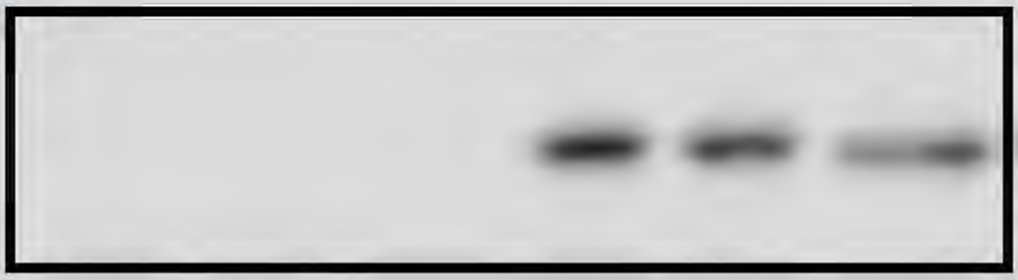


FIGURE 5D
LEFT PANEL
A549
CycD3
35
kDa

FIGURE 5D
LEFT PANEL
A549
GFP

35
kDa



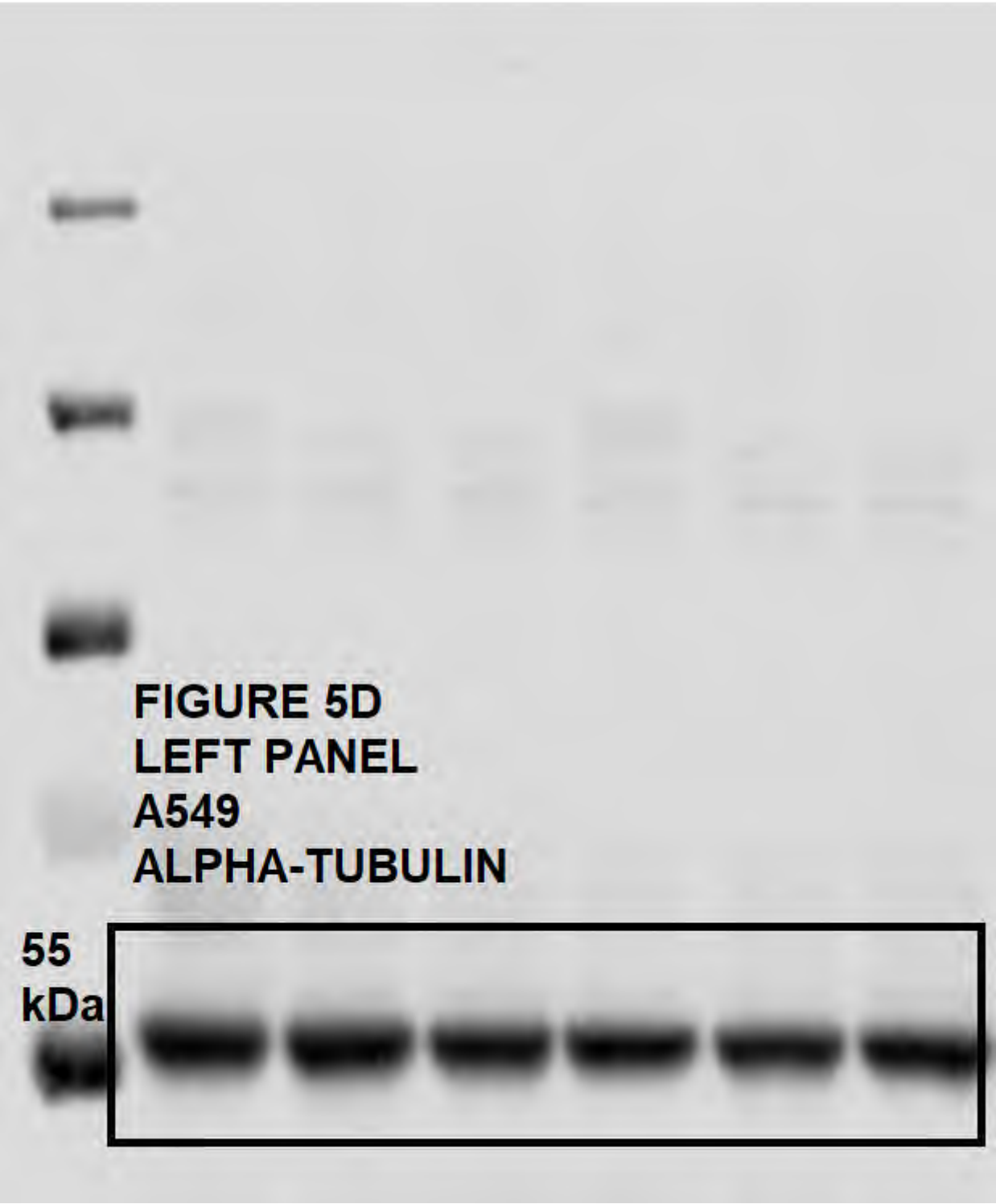


FIGURE 5D
LEFT PANEL
A549
ALPHA-TUBULIN
55
kDa

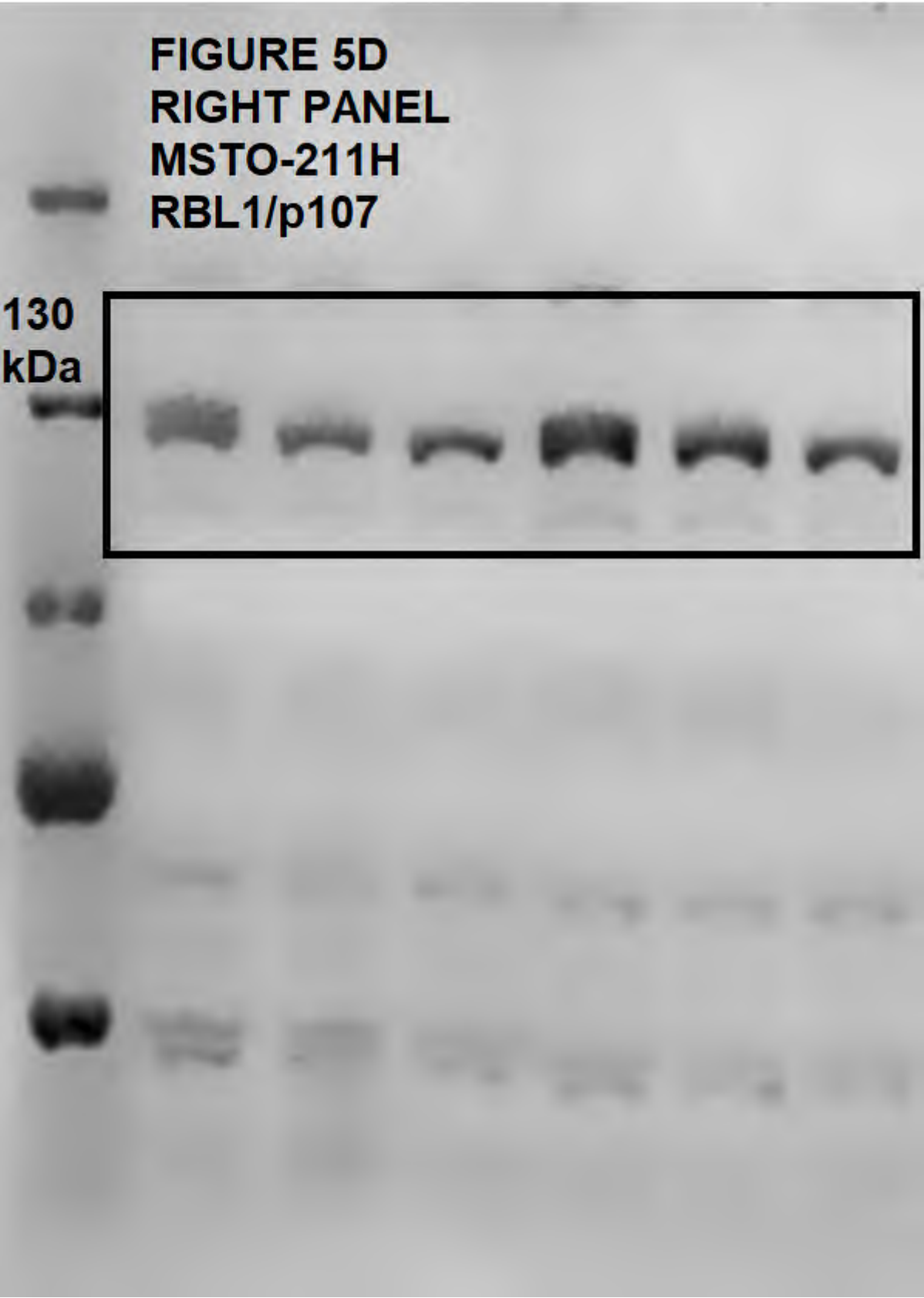


FIGURE 5D
RIGHT PANEL
MSTO-211H
RBL1/p107
130
kDa

FIGURE 5D
RIGHT PANEL
MSTO-211H
CycD3
35
kDa

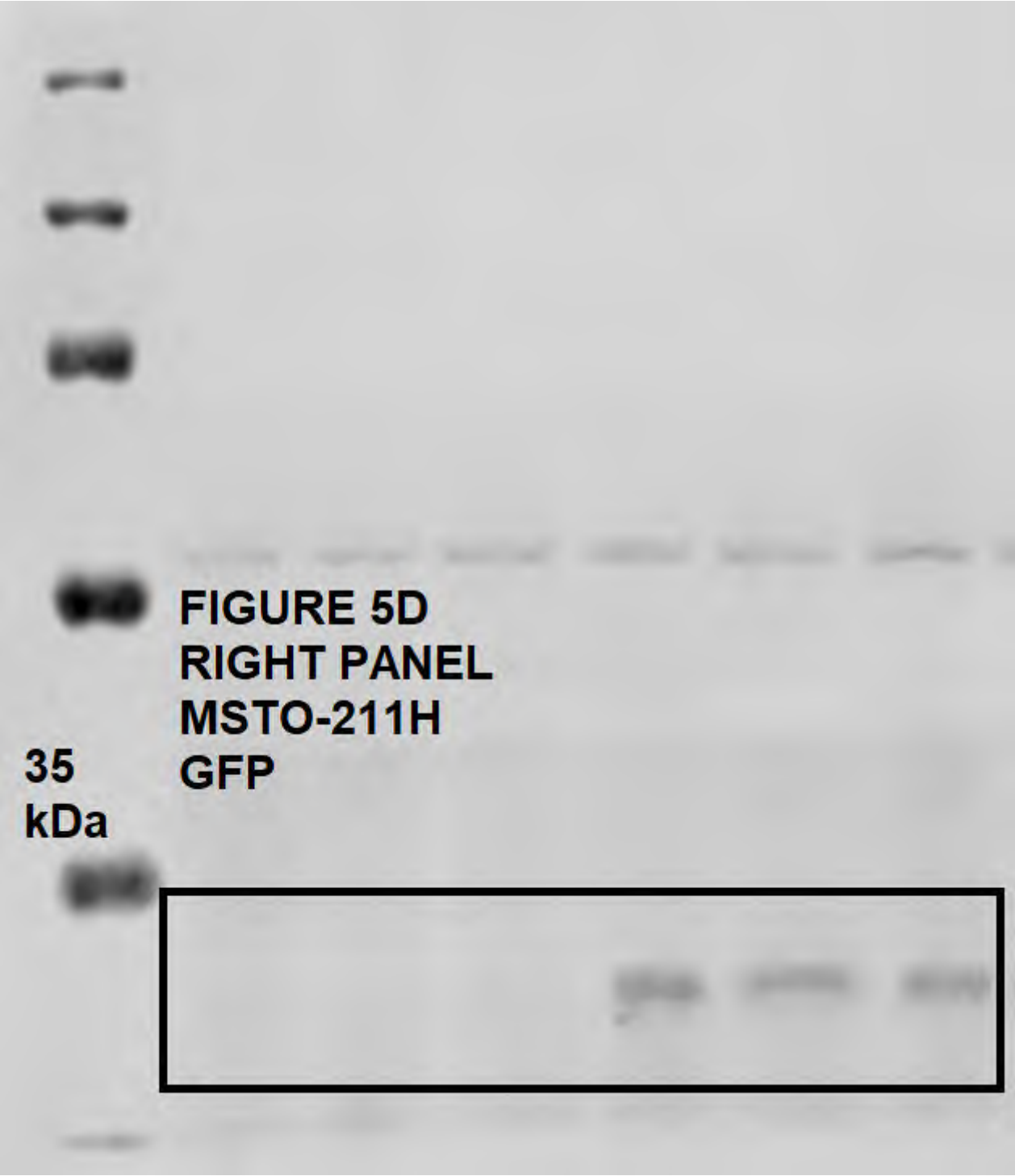


FIGURE 5D
RIGHT PANEL
MSTO-211H
GFP
35
kDa

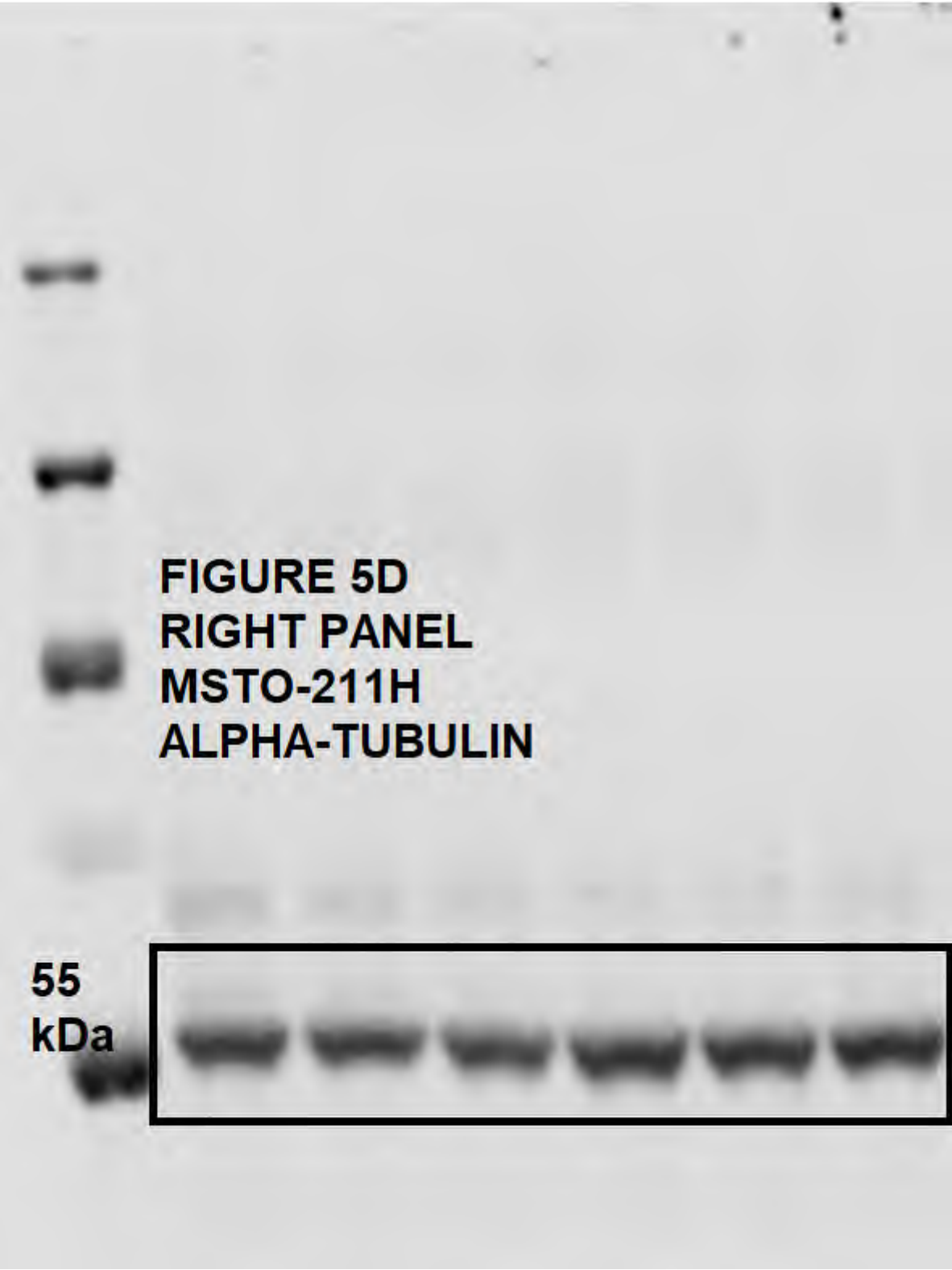


FIGURE 5D
RIGHT PANEL
MSTO-211H
ALPHA-TUBULIN
55
kDa