Supporting Information for

Magnolia officinalis bark extract prevents enterocyte death in a colitis mouse model by inhibiting ROS-mediated necroptosis

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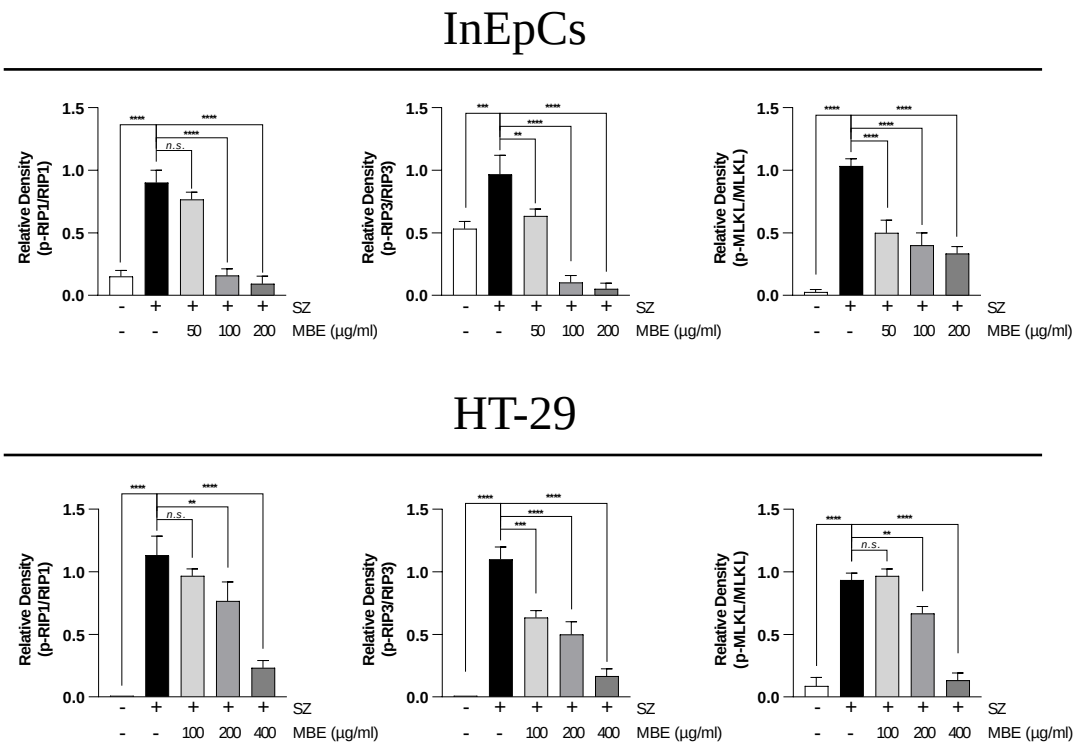
Table S1. Antibodies for immunoblot & immunohistochemistry

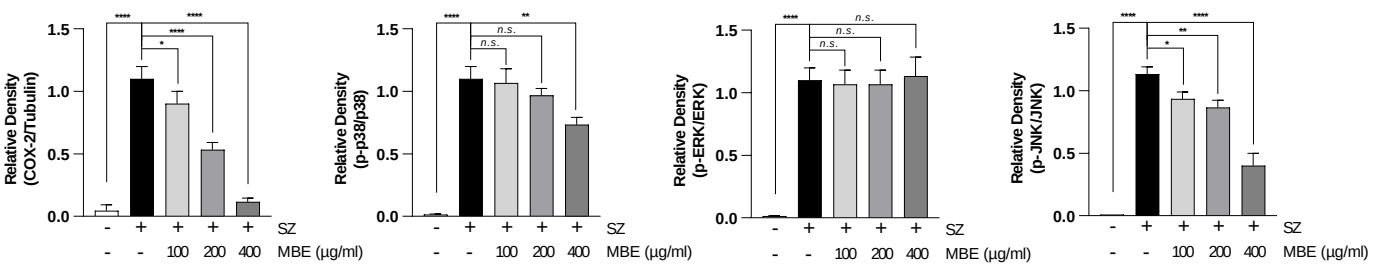
Antibody	Source	Catalog No.
RIP1	Cell signaling	#3493
p-RIP1	Cell signaling	#65746
RIP3	Cell signaling	#10188
p-RIP3	Cell signaling	#93654
MLKL	Cell signaling	#14993
p-MLKL	Cell signaling	#91689
p38	Cell signaling	#9212
p-p38	Cell signaling	#9211
ERK	Cell signaling	#9102
p-ERK	Cell signaling	#4370
JNK	Cell signaling	#3708
p-JNK	Cell signaling	#4668
COX-2	Abcam	Ab52237
Tubulin	Abcam	Ab7291

Figure S1. Graph indicates quantification of Figure 3 immunoblot data.



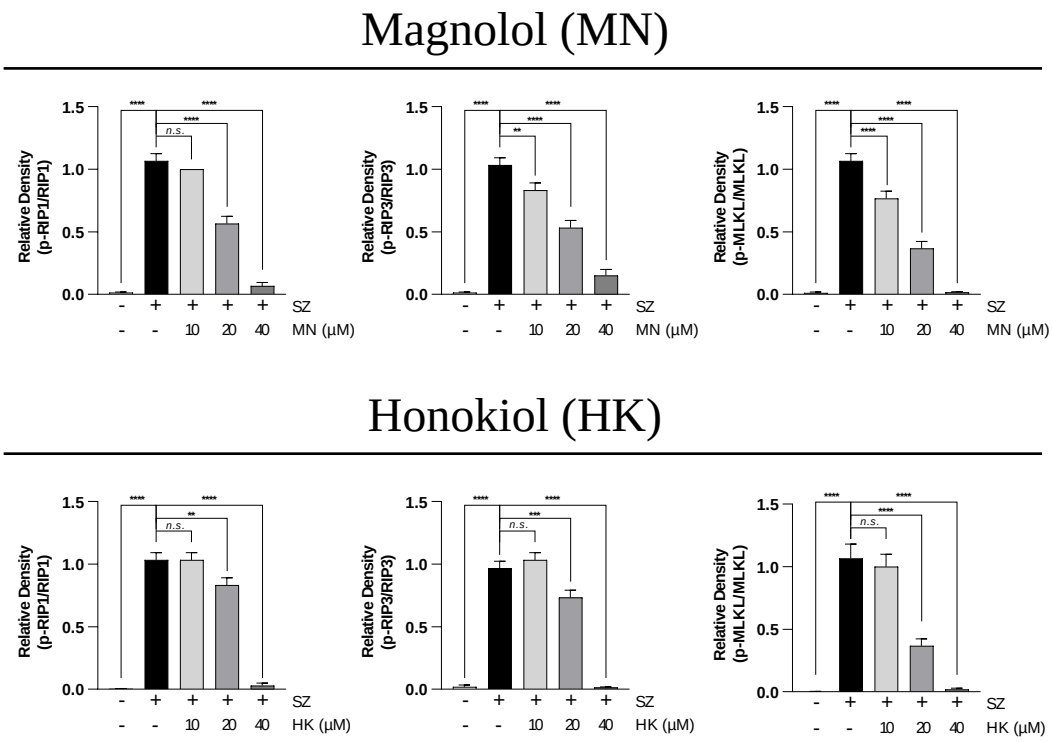
** $P < 0.01$, *** $P < 0.001$, and **** $P < 0.0001$ (data were analyzed using the ANOVA); ns, not significant. (data were analyzed using the ANOVA).

Figure S2. Graph indicates quantification of Figure 4 immunoblot data.



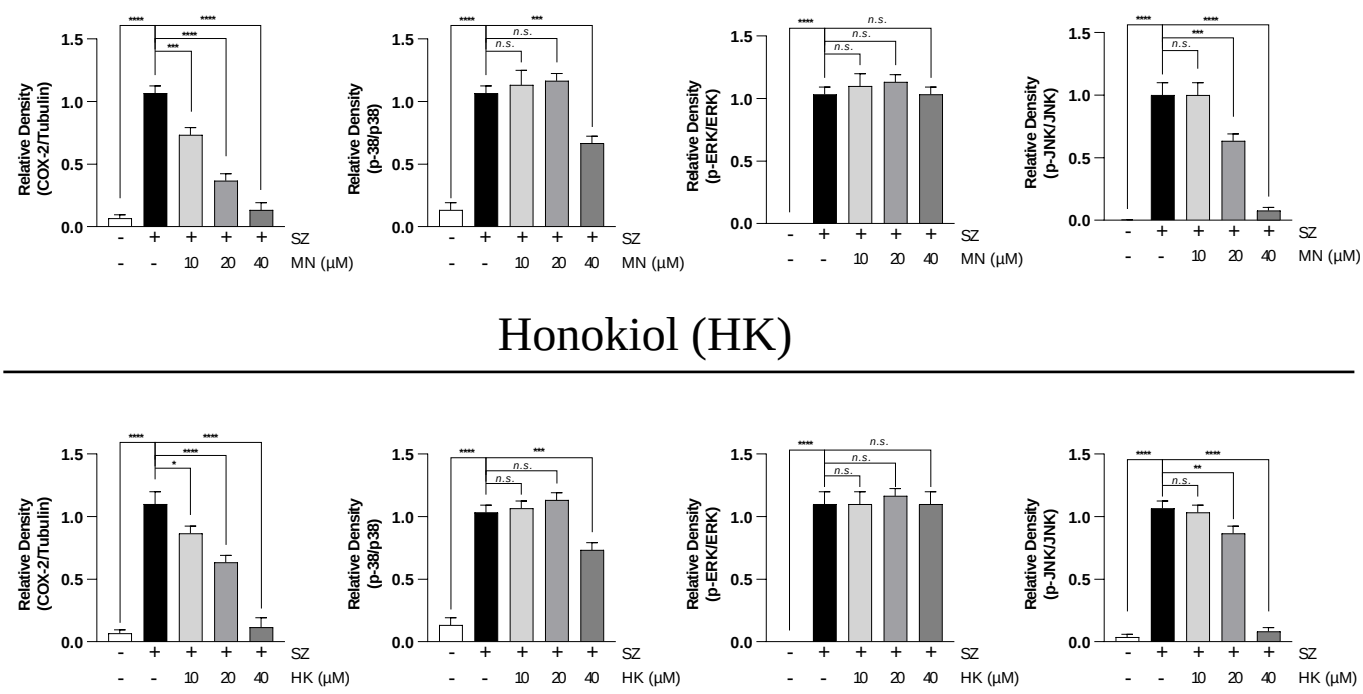
* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, and **** $P < 0.0001$ (data were analyzed using the ANOVA); ns, not significant. (data were analyzed using the ANOVA).

Figure S3. Graph indicates quantification of Figure 6 immunoblot data.



* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, and **** $P < 0.0001$ (data were analyzed using the ANOVA); ns, not significant. (data were analyzed using the ANOVA).

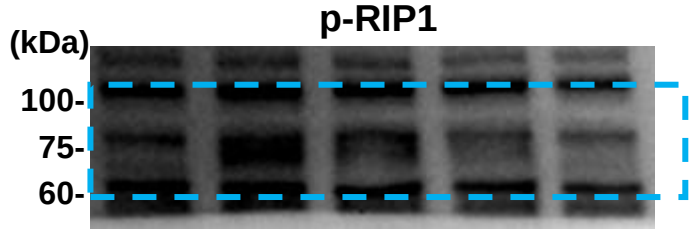
Figure S4. Graph indicates quantification of Figure 7 immunoblot data.



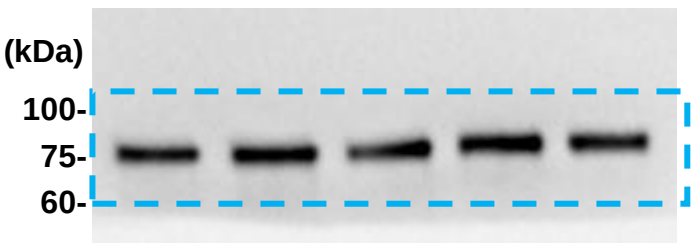
* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, and **** $P < 0.0001$ (data were analyzed using the ANOVA); ns, not significant. (data were analyzed using the ANOVA).

Fig 3 D

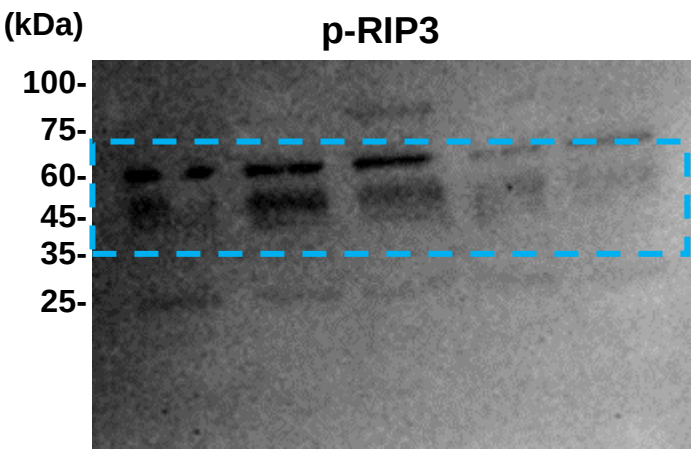
p-RIP1



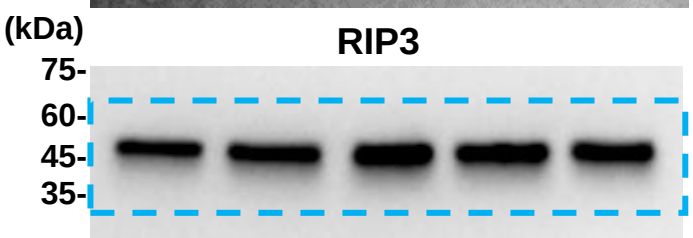
RIP1



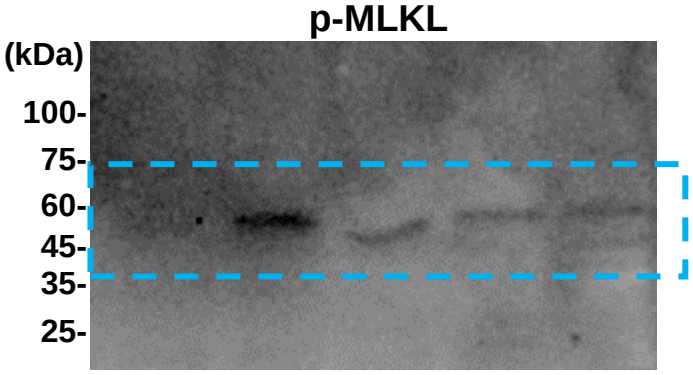
p-RIP3



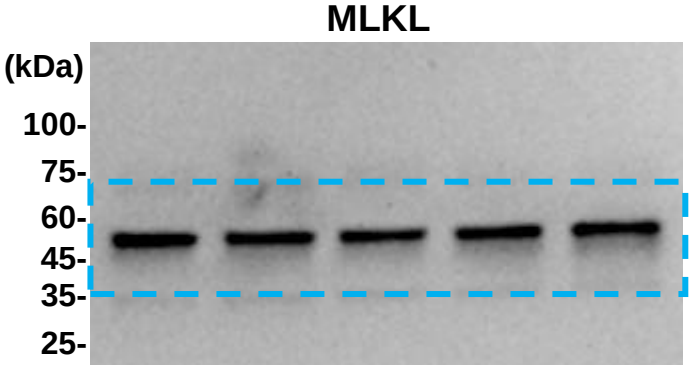
RIP3



p-MLKL



MLKL



Tubulin

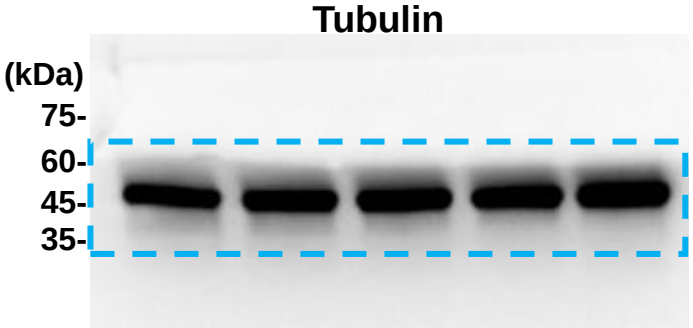
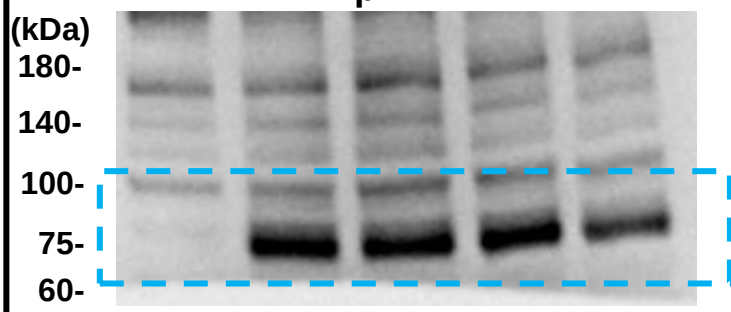
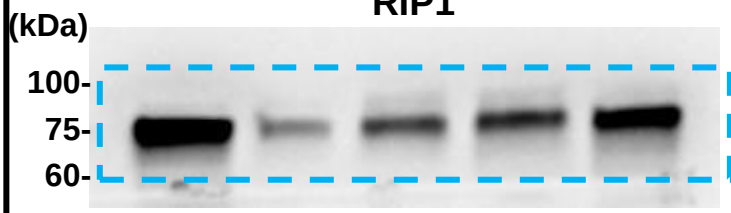


Fig 3 H

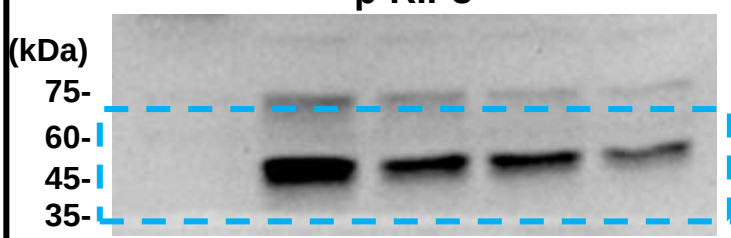
p-RIP1



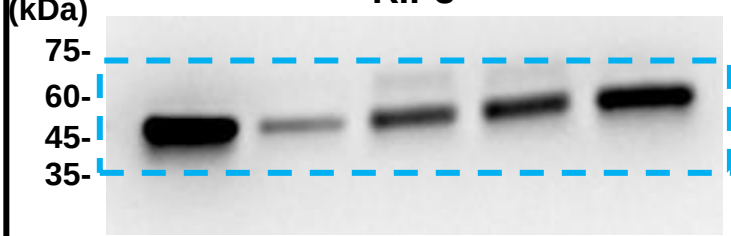
RIP1



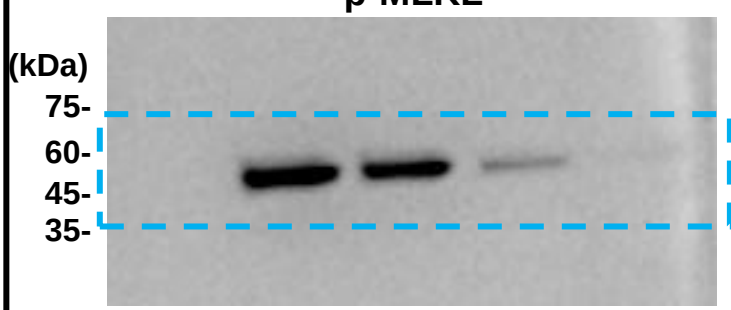
p-RIP3



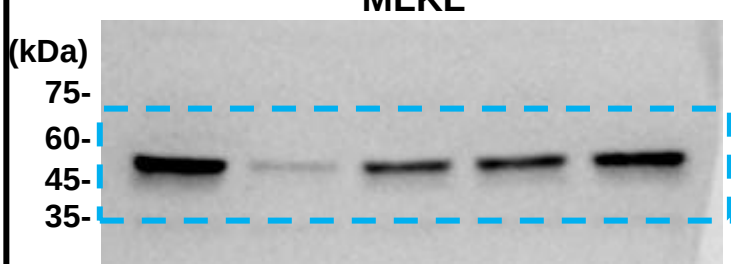
RIP3



p-MLKL



MLKL



Tubulin

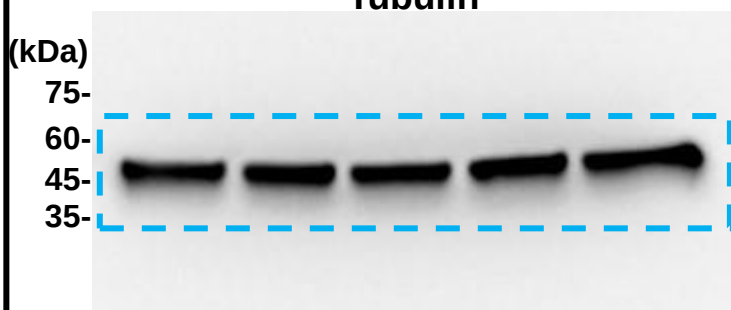


Fig 4 C

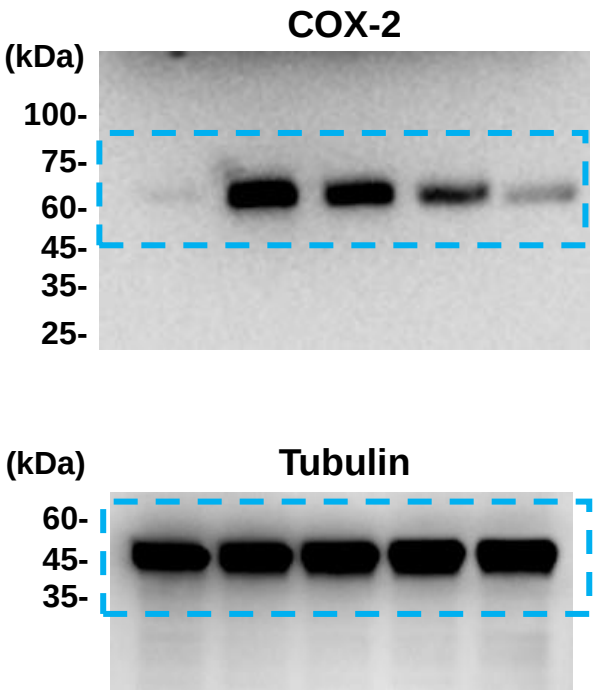

COX-2
(kDa)
100-
75-
60-
45-
35-
25-
(kDa)
Tubulin
60-
45-
35-

Fig 4 E

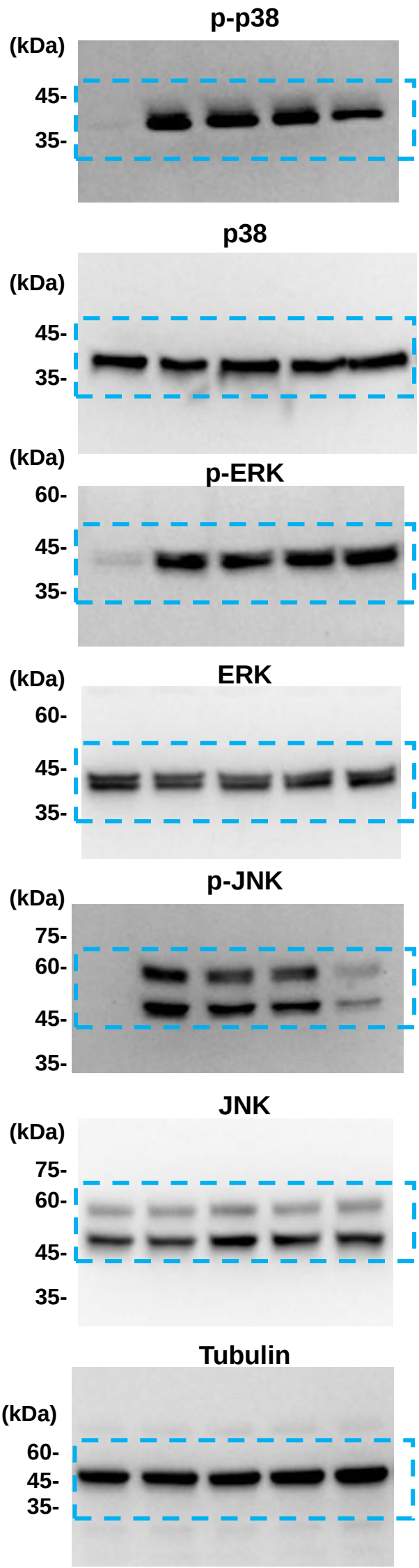
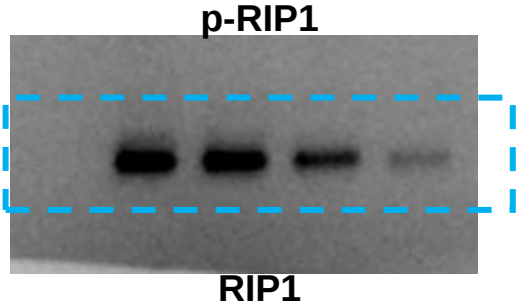

p-p38
(kDa)
45-
35-
p38
(kDa)
45-
35-
(kDa)
p-ERK
60-
45-
35-
(kDa)
ERK
60-
45-
35-
p-JNK
(kDa)
75-
60-
45-
35-
JNK
(kDa)
75-
60-
45-
35-
Tubulin
(kDa)
60-
45-
35-

Fig 6 C

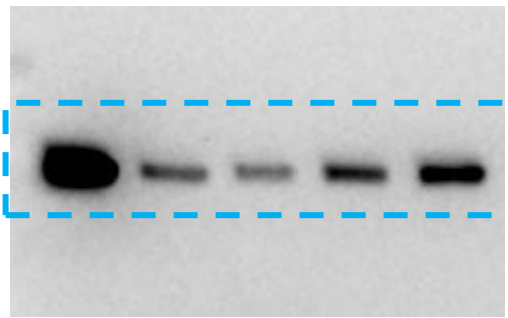
p-RIP1

(kDa)
100-
75-
60-



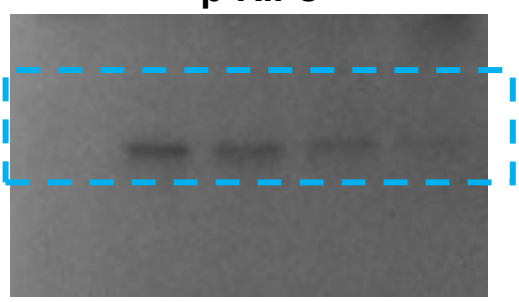
RIP1

(kDa)
100-
75-
60-



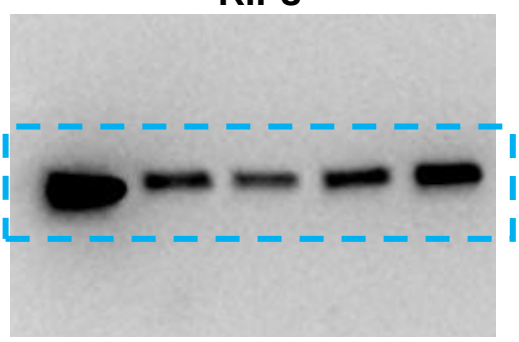
p-RIP3

(kDa)
75-
60-
45-
35-



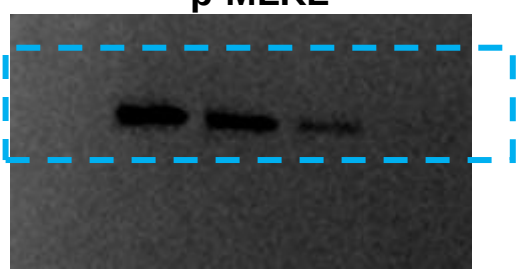
RIP3

(kDa)
60-
45-
35-



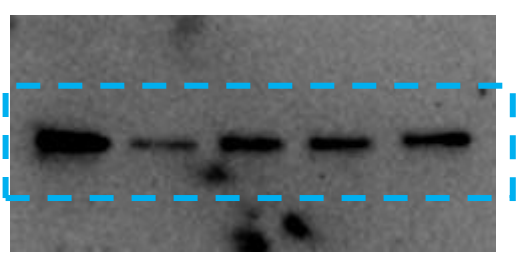
p-MLKL

(kDa)
75-
60-
45-
35-



MLKL

(kDa)
75-
60-
45-
35-
25-



Tubulin

(kDa)
75-
60-
45-
35-

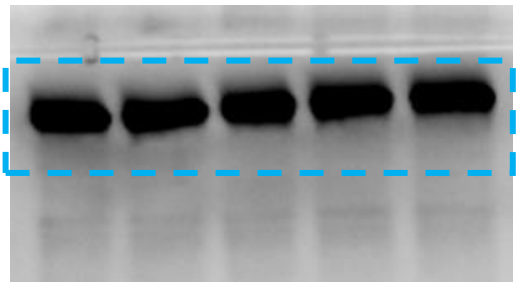
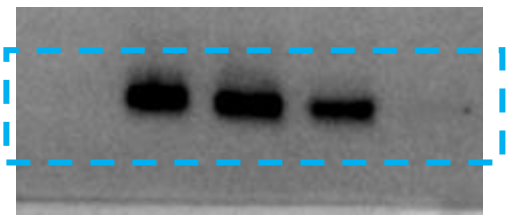


Fig 6 F

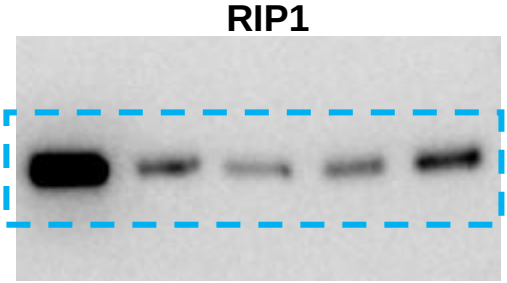
p-RIP1

(kDa)
100-
75-
60-



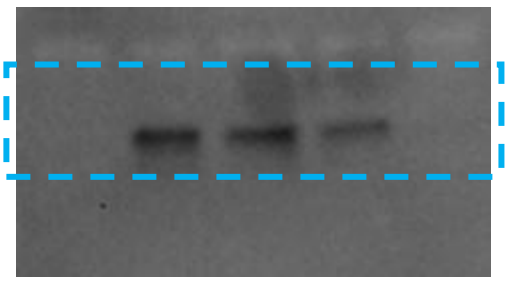
RIP1

(kDa)
100-
75-
60-



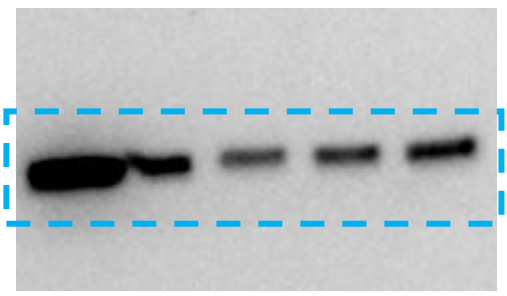
p-RIP3

(kDa)
75-
60-
45-
35-



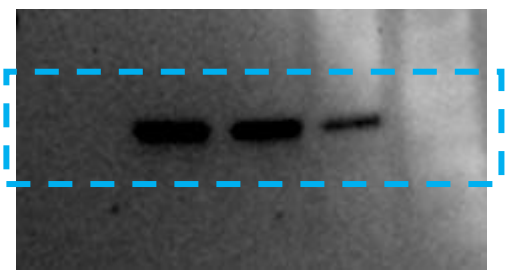
RIP3

(kDa)
60-
45-
35-



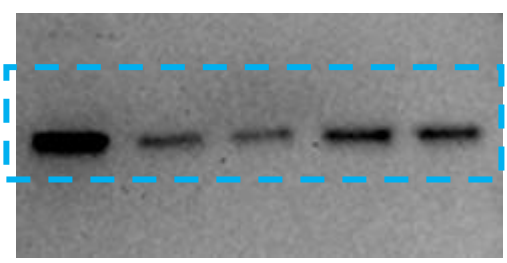
p-MLKL

(kDa)
75-
60-
45-
35-



MLKL

(kDa)
75-
60-
45-
35-



Tubulin

(kDa)
75-
60-
45-
35-

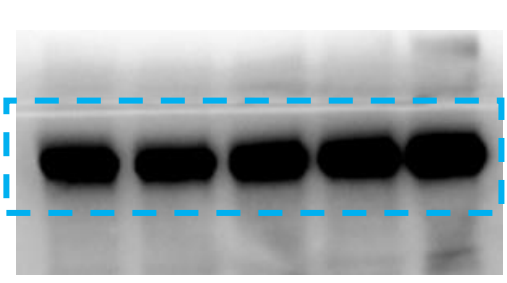
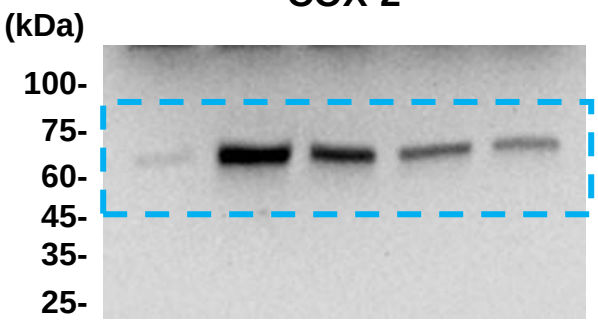


Fig 7 C

COX-2



Tubulin

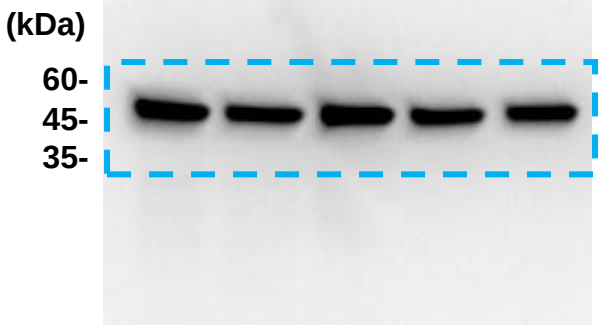
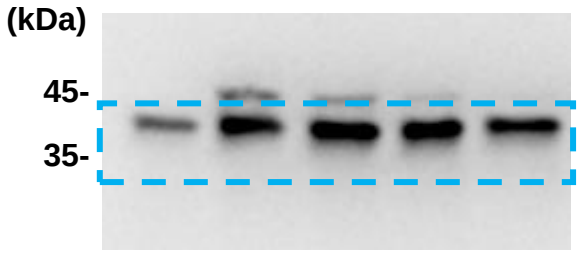


Fig 7 D

p-p38



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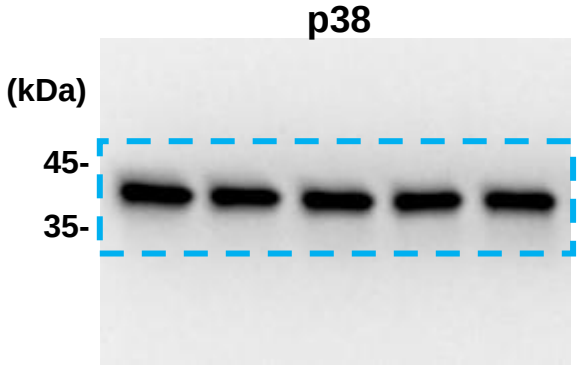
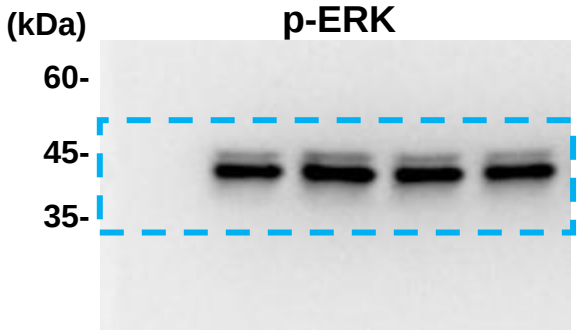
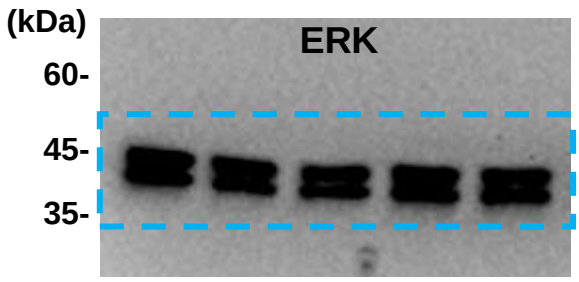


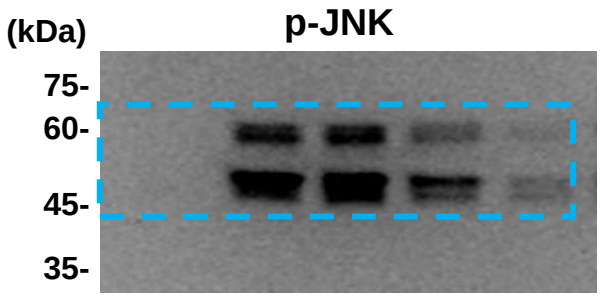
p-ERK



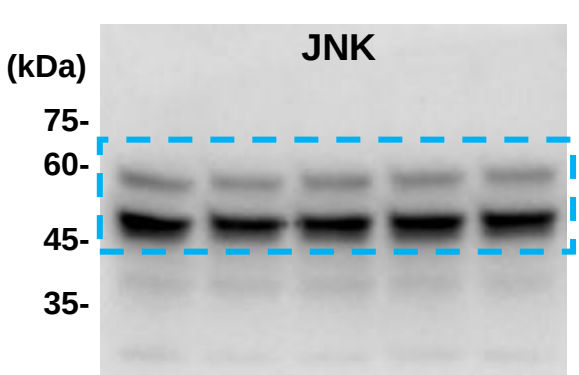
ERK



p-JNK



JNK



Tubulin

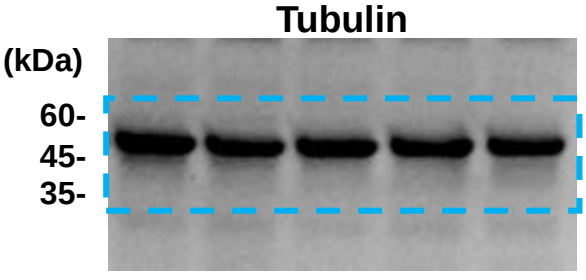


Fig 7 G

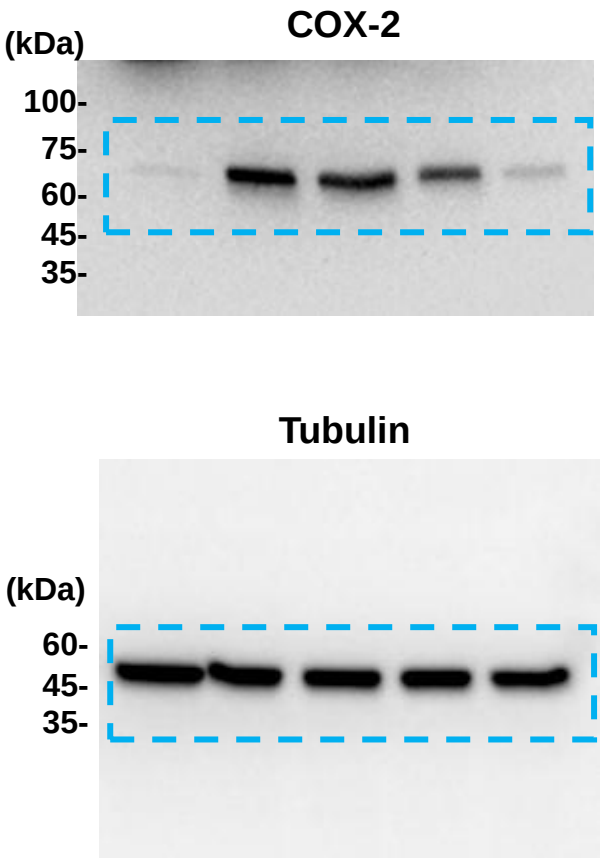
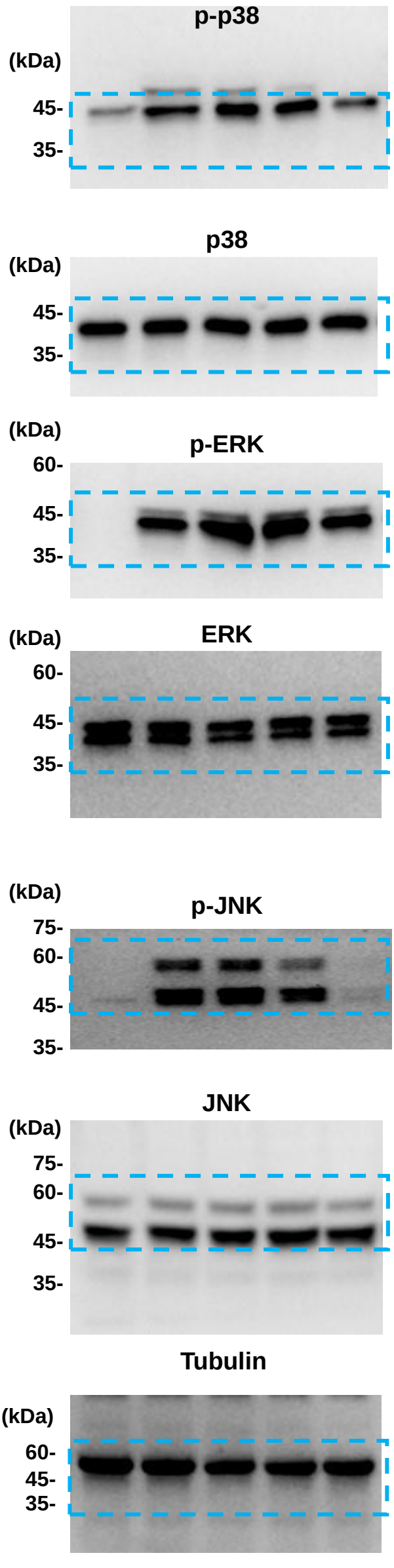

COX-2
(kDa)
100-
75-
60-
45-
35-
Tubulin
(kDa)
60-
45-
35-

Fig 7 H


p-p38
(kDa)
45-
35-
p38
(kDa)
45-
35-
(kDa)
p-ERK
60-
45-
35-
(kDa)
ERK
60-
45-
35-
(kDa)
p-JNK
75-
60-
45-
35-
JNK
(kDa)
75-
60-
45-
35-
Tubulin
(kDa)
60-
45-
35-