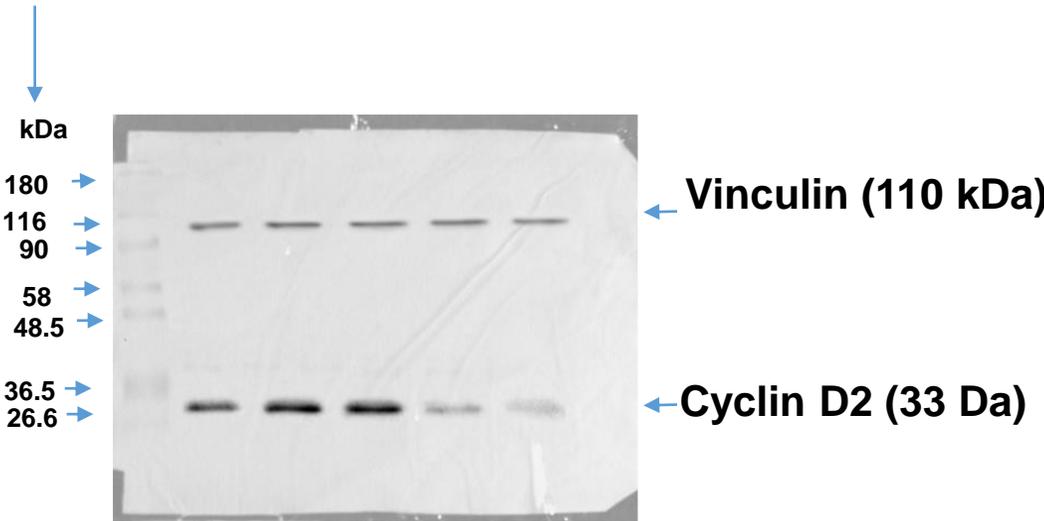
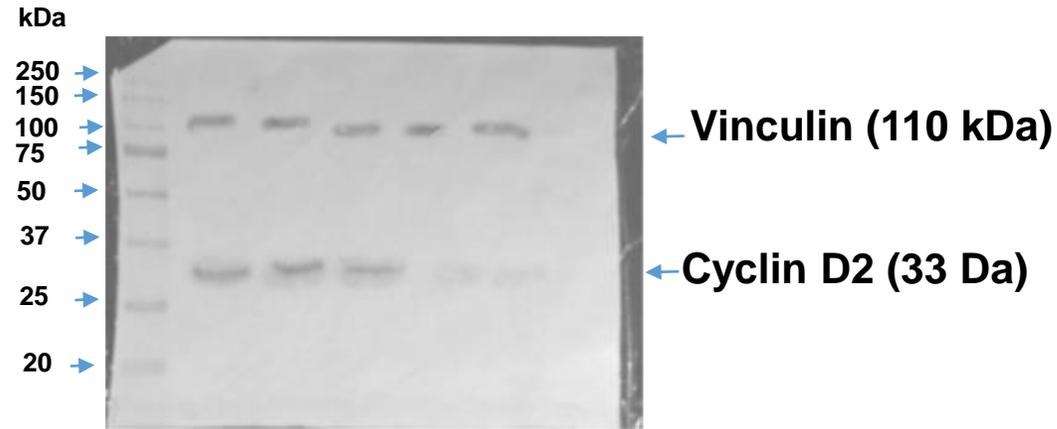
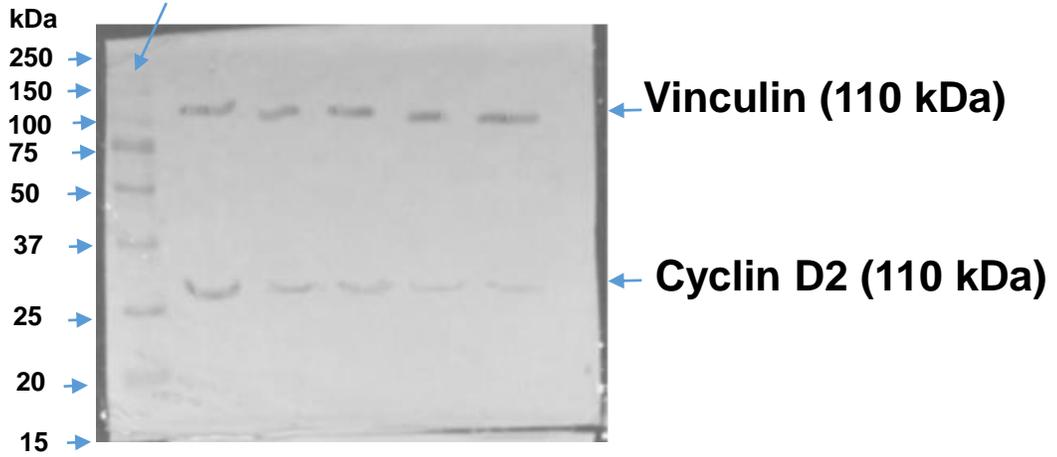


# Cyclin D2 (33 kDa) KGN cells

Marker of Molecular weight (Sigma Aldrich ref SDS7B2)



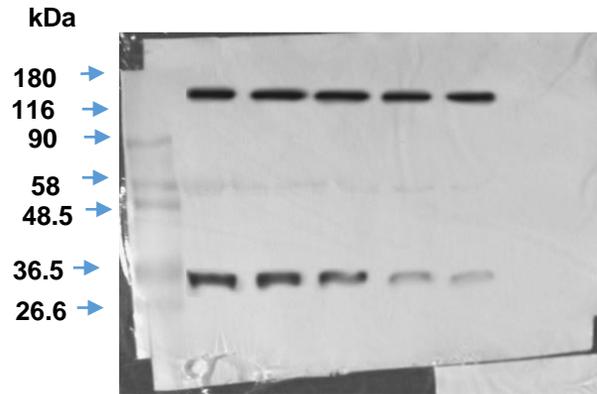
Marker of Molecular weight (Precision Plus Protein™ Dual Color Standards, #1610374 BioRad)



Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with cyclin D2 and Vinculin antibodies.

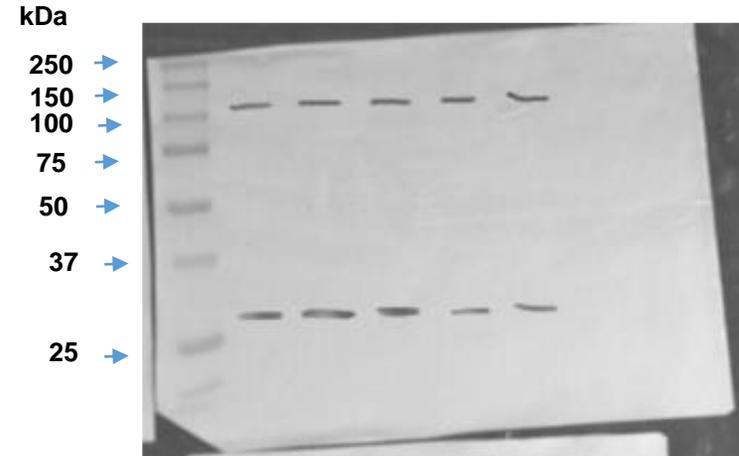
## Supplemental figure 1

# Cyclin D2 (33 kDa) hGC cells



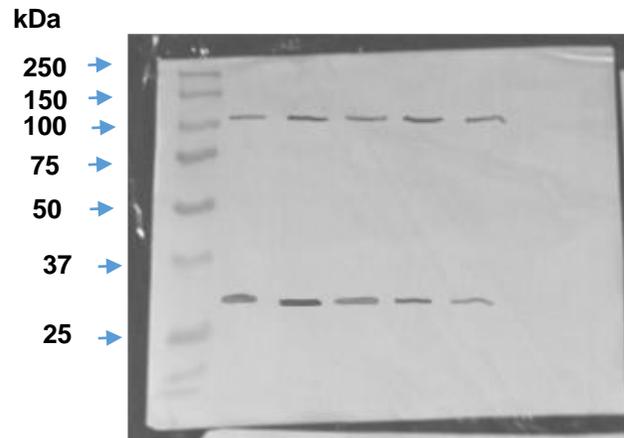
Vinculin (110 kDa)

Cyclin D2 (33 kDa)



Vinculin (110 kDa)

Cyclin D2 (33 kDa)



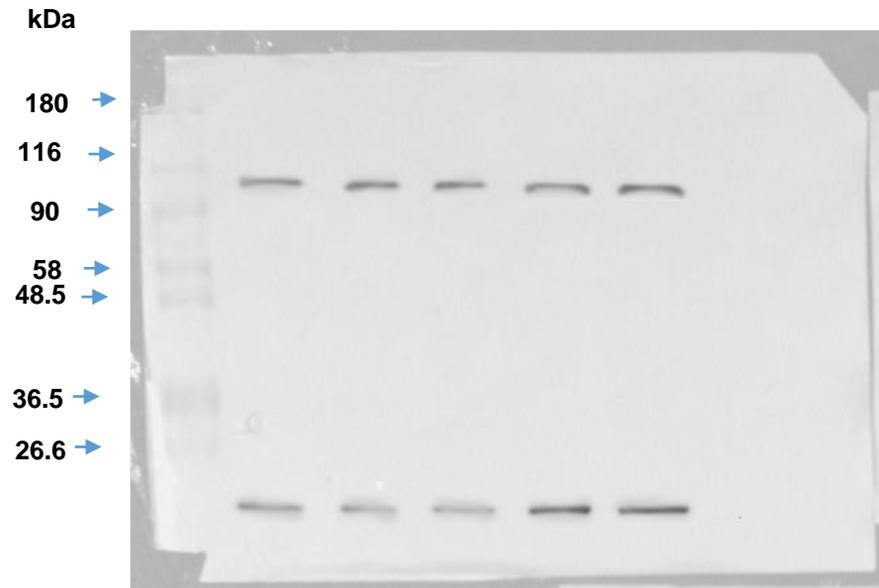
Vinculin (110 kDa)

Cyclin D2 (33 kDa)

**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with cyclin D2 and Vinculin antibodies.

## Supplemental figure 2

# P21 (21 kDa) KGN cells

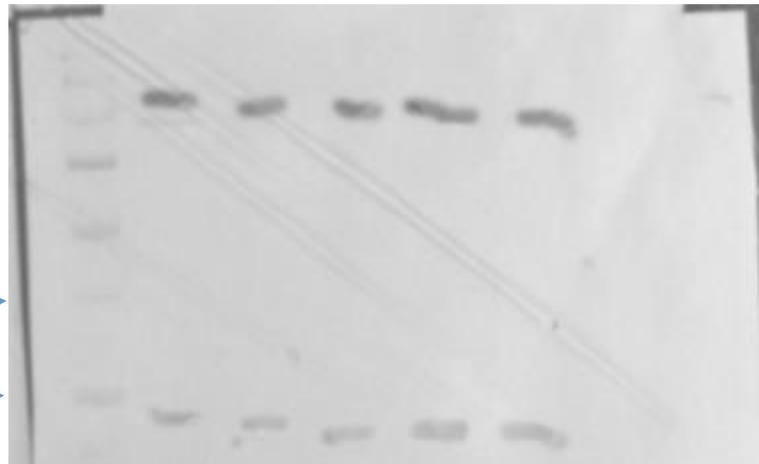
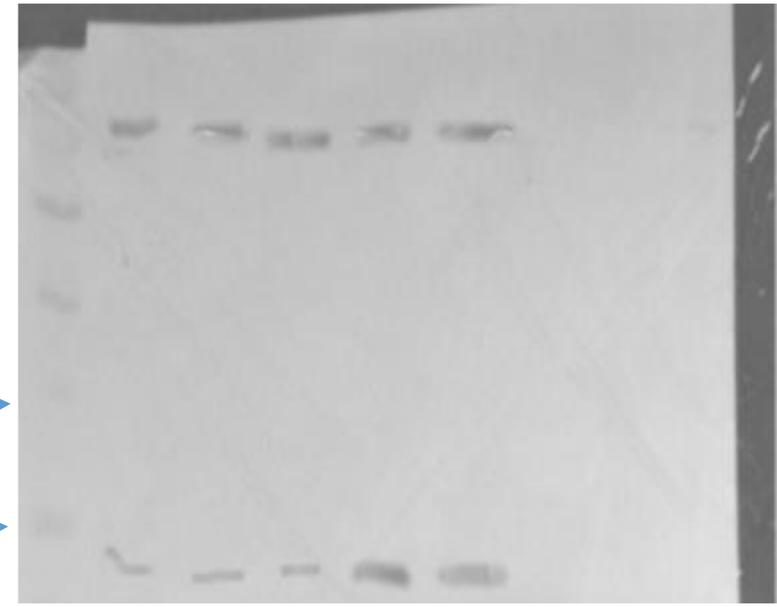


Vinculin (110 kDa)

Vinculin (110 kDa)

P21 (21 kDa)

P21 (21 kDa)



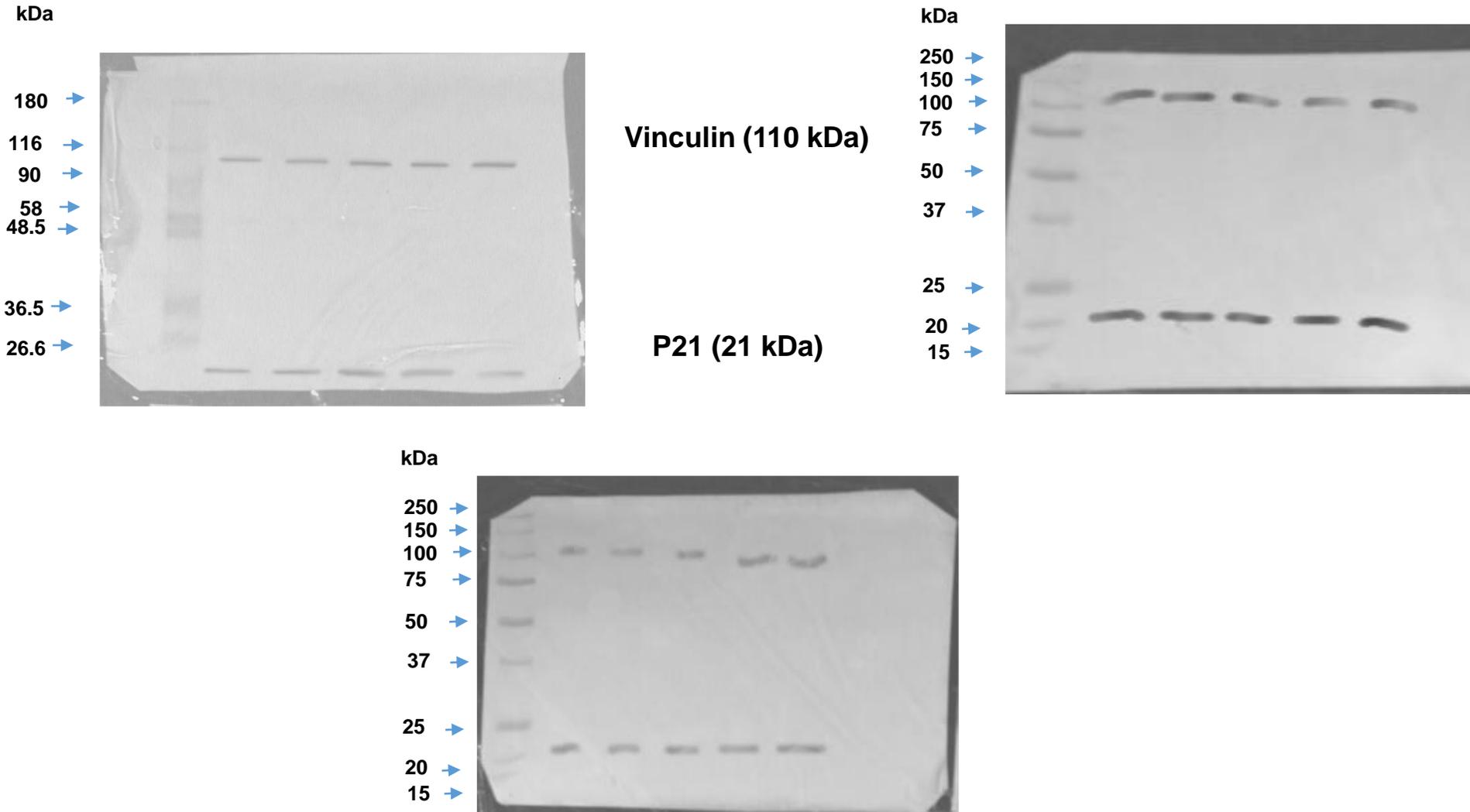
Vinculin (110 kDa)

P21 (21 kDa)

**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with p21 and Vinculin antibodies.

## Supplemental figure 3

# P21 (21 kDa) hGC cells



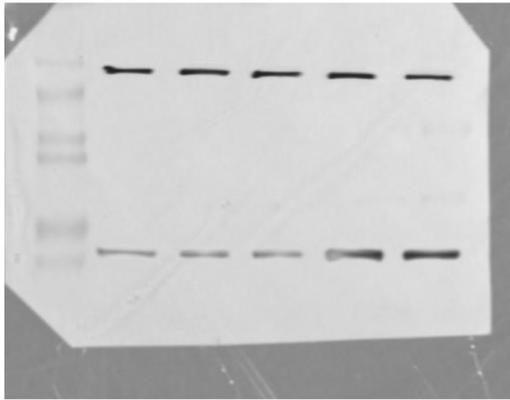
Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with p21 and Vinculin antibodies.

**Supplemental figure 4**

# P27 (27 kDa) KGN cells

kDa

180 →  
116 →  
90 →  
58 →  
48.5 →  
  
36.5 →  
26.6 →

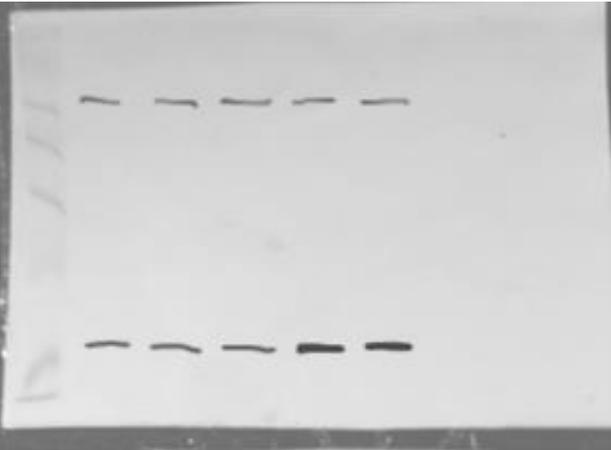


Vinculin (110 kDa)

P27 (27 kDa)

kDa

250 →  
150 →  
100 →  
75 →  
50 →  
  
37 →  
25 →  
20 →

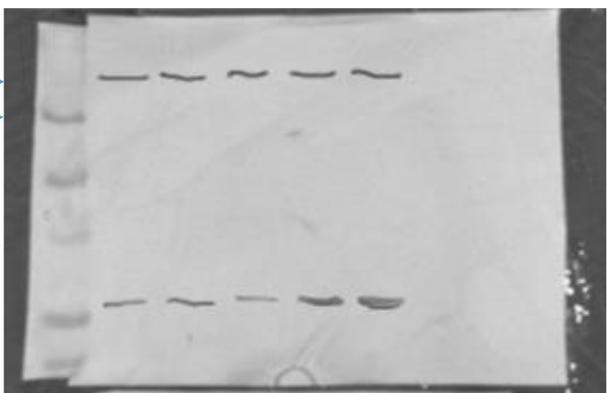


Vinculin (110 kDa)

P27 (27 kDa)

kDa

250 →  
150 →  
100 →  
75 →  
50 →  
  
37 →  
25 →  
20 →

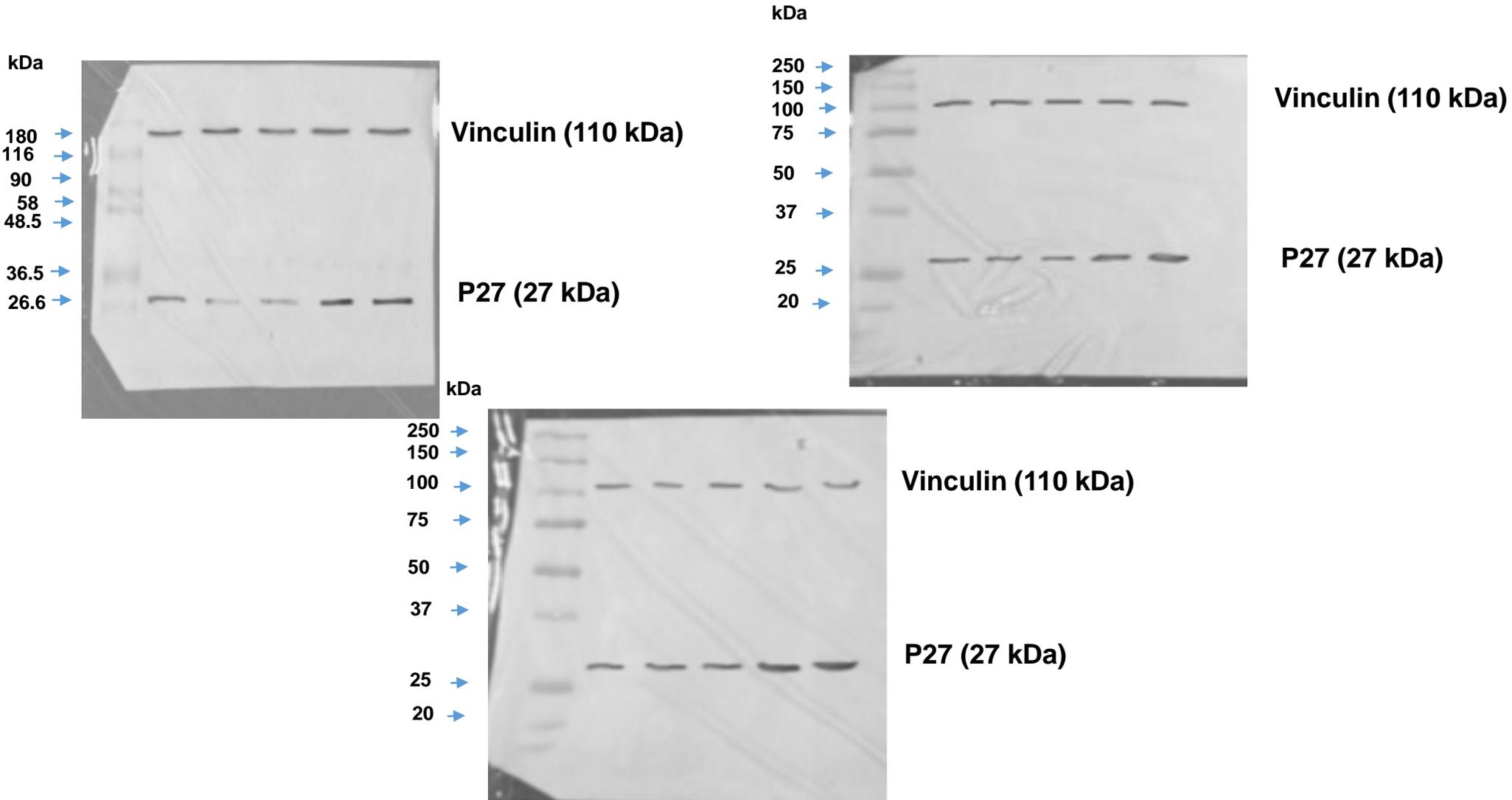


Vinculin (110 kDa)

P27 (27 kDa)

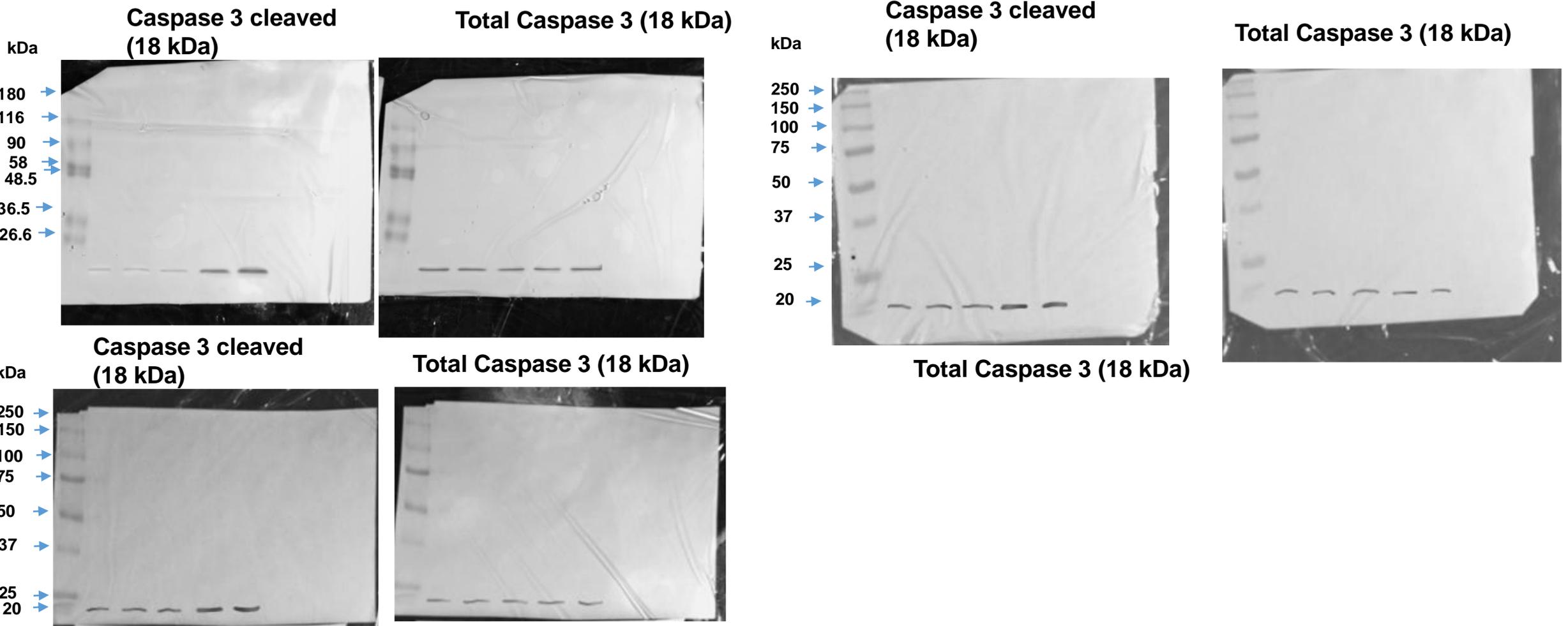
Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with p27 and Vinculin antibodies.

# P27 (27 kDa) hGC cells



**Gel SDS PAGE 12%, revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with p27 and Vinculin antibodies.**

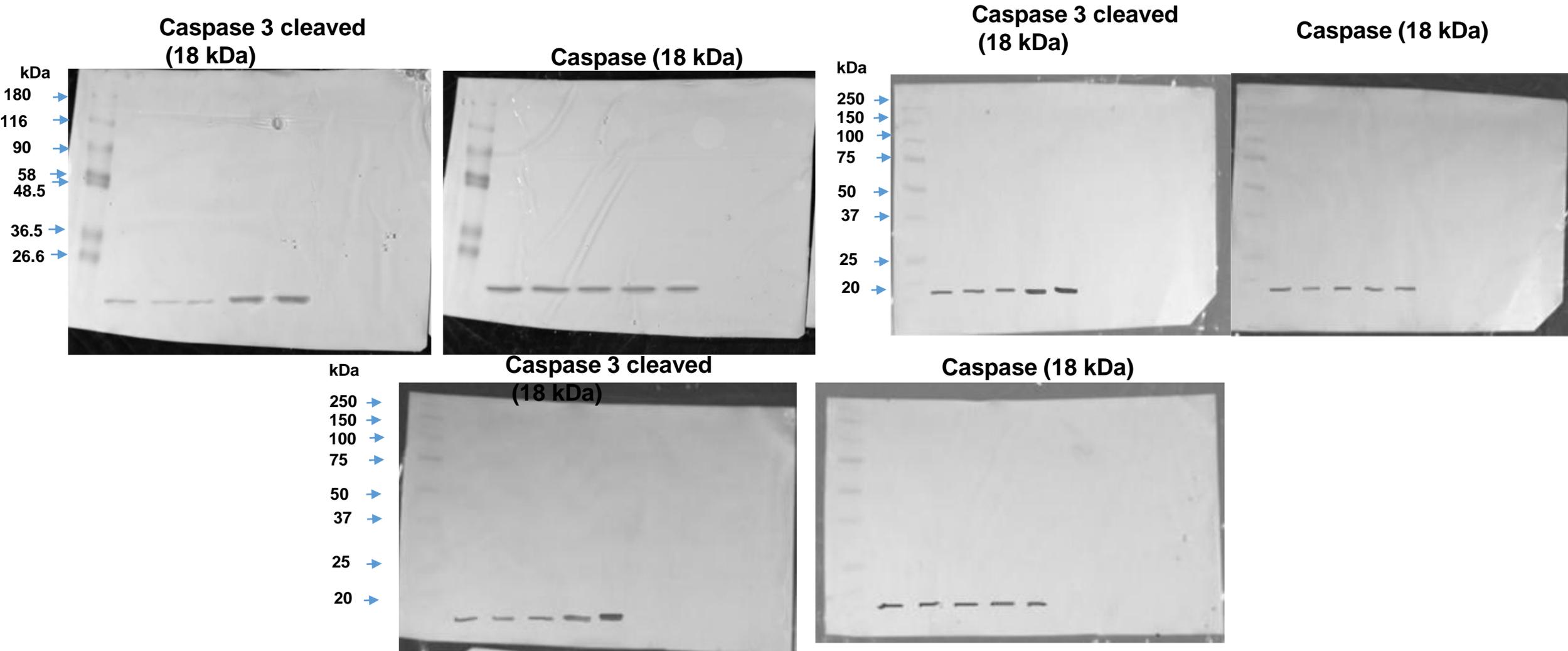
# Caspase 3 cleaved (18 kDa) in KGN cells



**Gel SDS PAGE 12%, revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with caspase 3 cleaved antibodies and then after stripping they were probed with with total caspase 3 antibodies.**

**Supplemental figure 7**

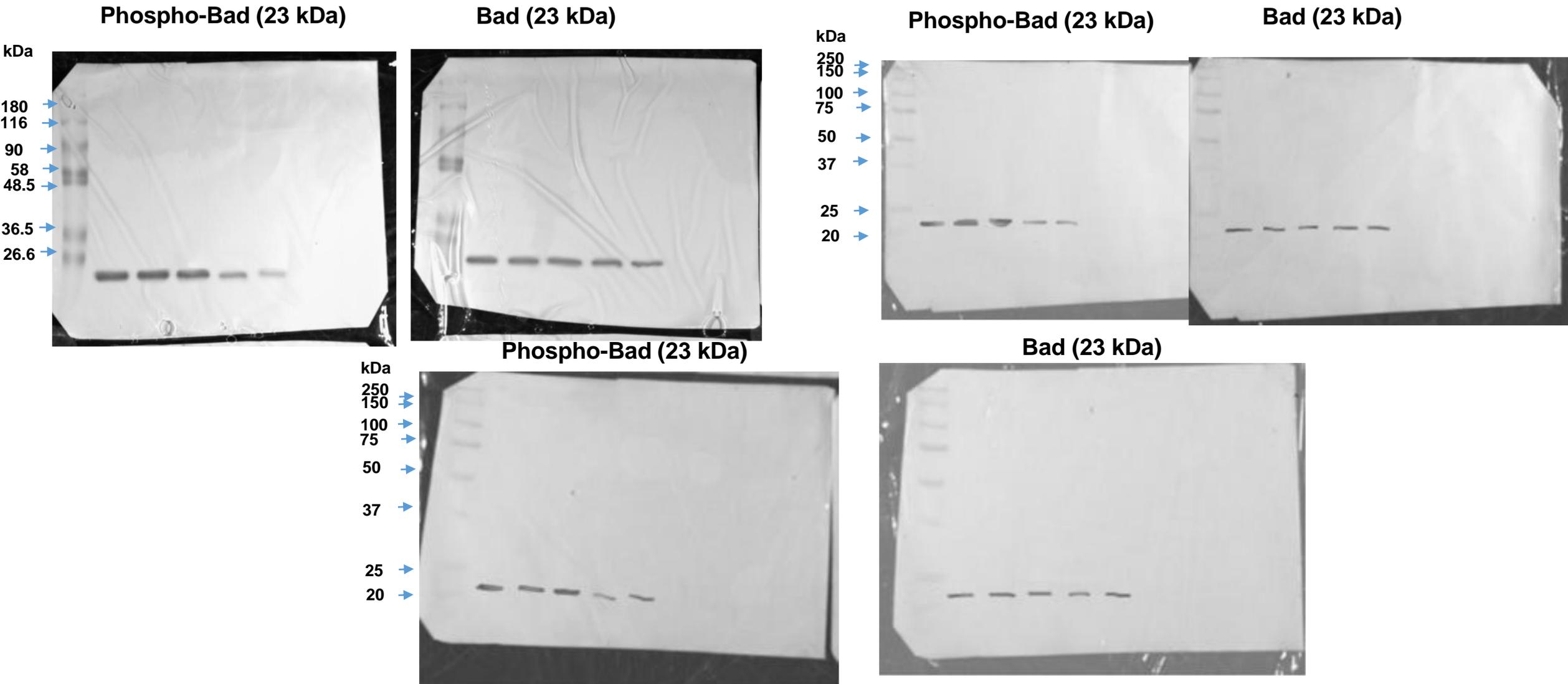
# Caspase 3 cleaved (18 kDa) in hGC cells



**Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with caspase 3 cleaved antibodies and then after stripping they were probed with with total caspase 3 antibodies.**

**Supplemental figure 8**

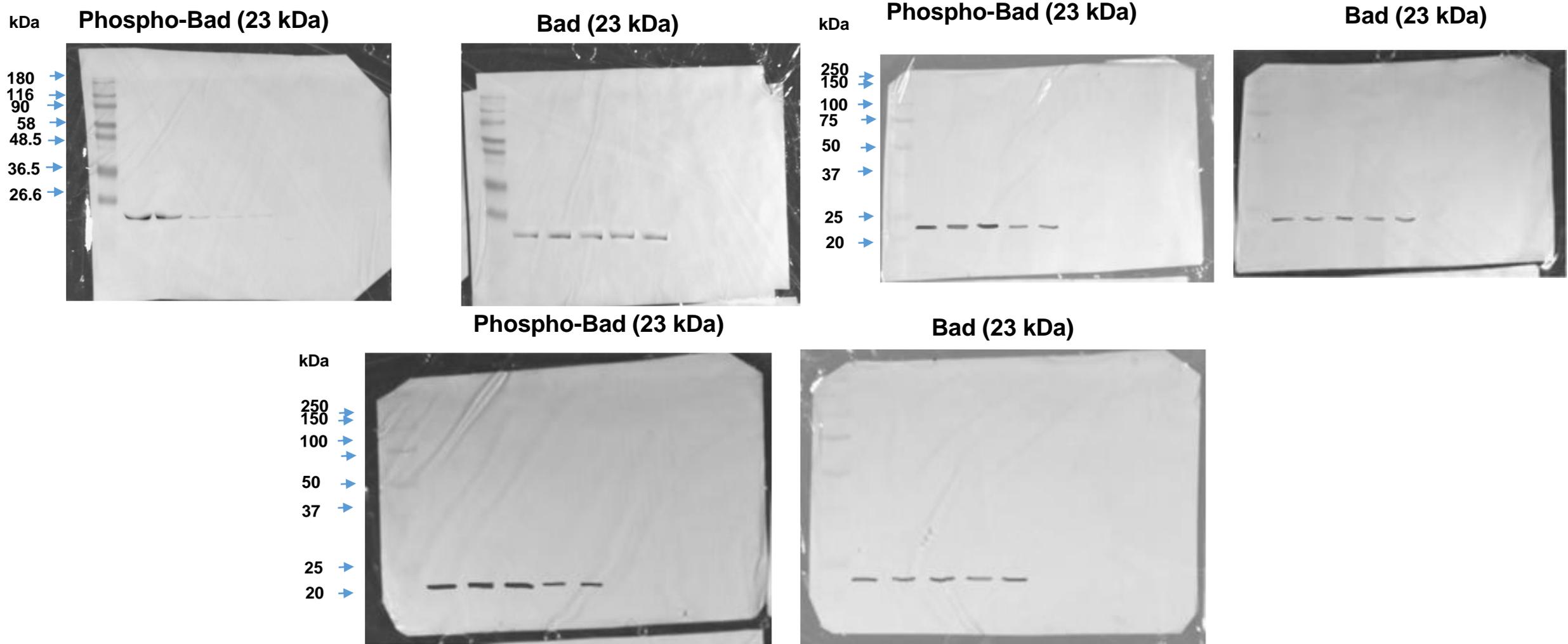
# Phospho-Bad (23 kDa) in KGN cells



Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Bad antibodies and then after stripping they were probed with total Bad antibodies.

**Supplemental figure 9**

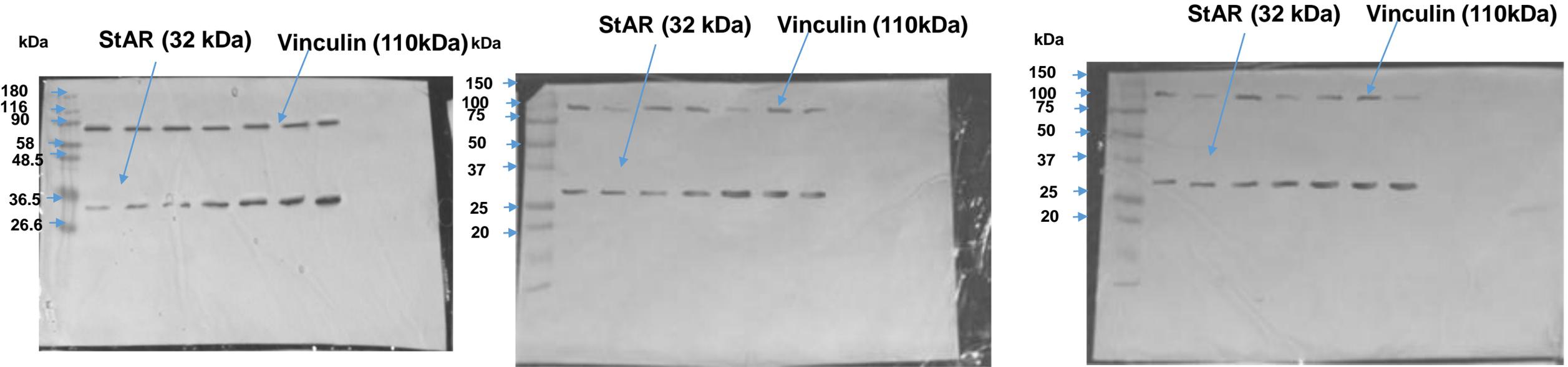
# Phospho-Bad (23 kDa) in hGC cells



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Bad antibodies and then after stripping they were probed with total Bad antibodies.

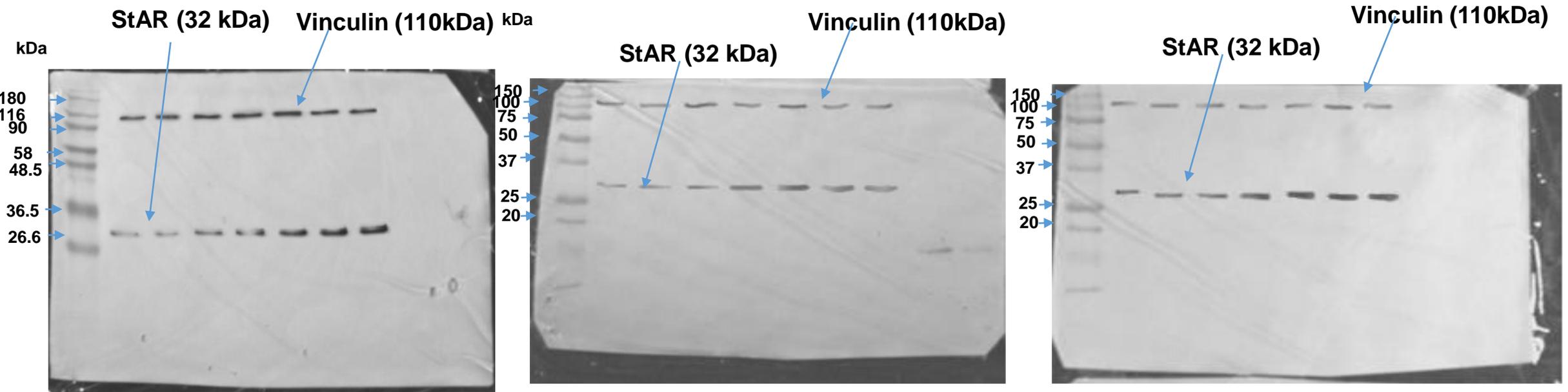
**Supplemental figure 10**

# StAR (32 kDa) in KGN cells



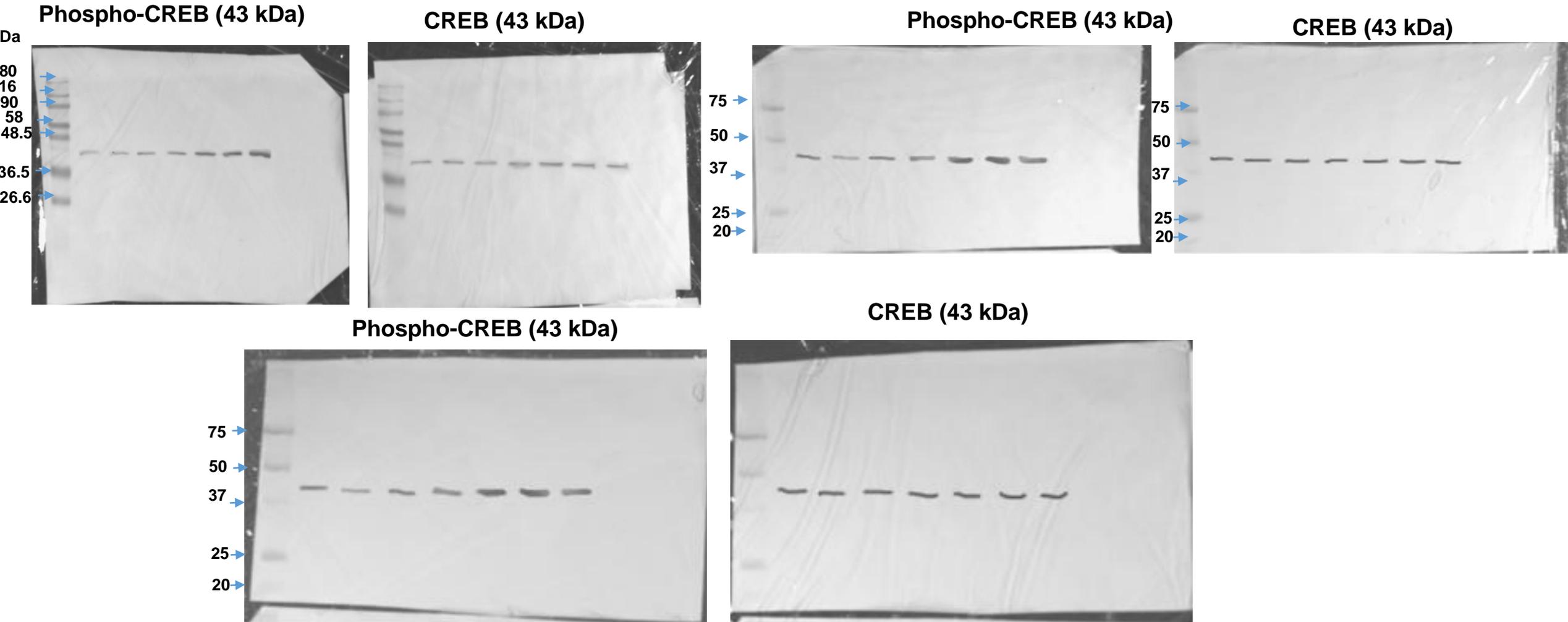
**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with StAR and Vinculin antibodies.

# StAR (32 kDa) in hGC cells



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with StAR and Vinculin antibodies.

# Phospho-CREB (43 kDa) in KGN cells

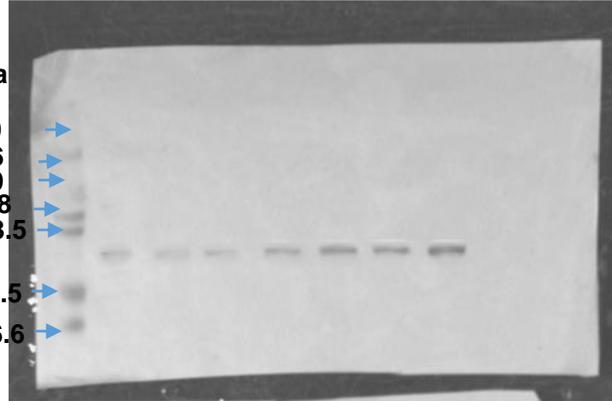


**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Creb antibodies and then after stripping they were probed with with total Creb antibodies.

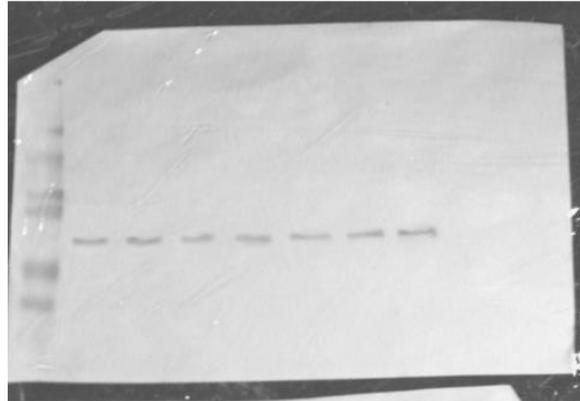
**Supplemental figure 13**

# Phospho-CREB (43 kDa) in hGC cells

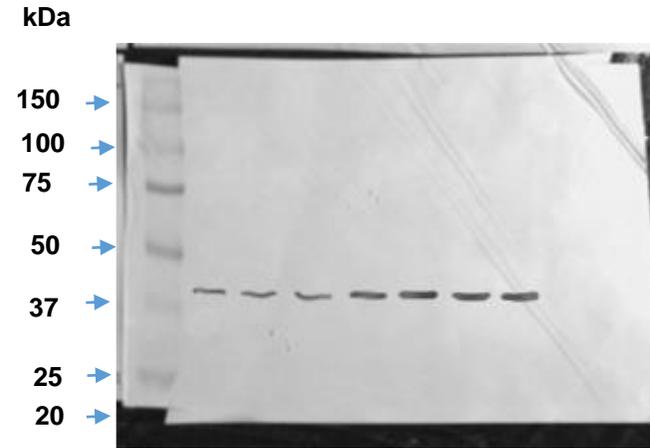
Phospho-CREB (43 kDa)



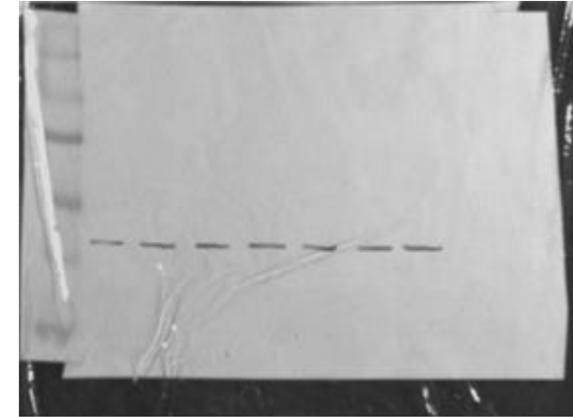
CREB (43 kDa)



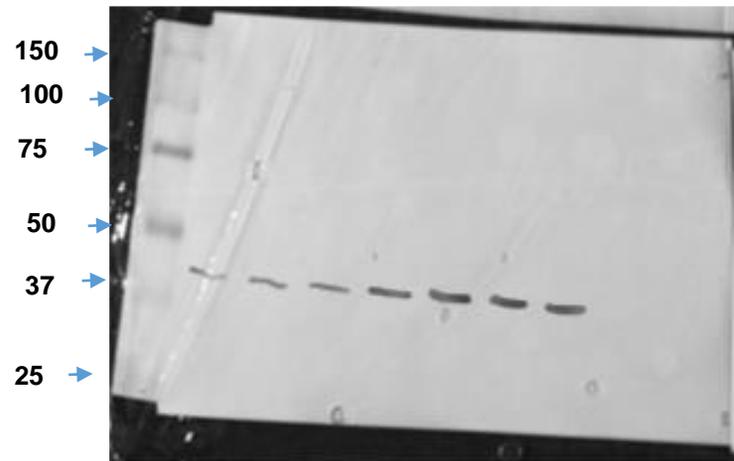
Phospho-CREB (43 kDa)



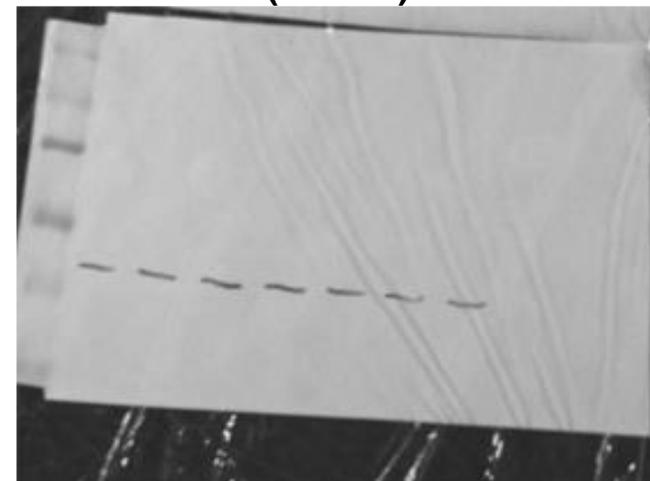
CREB (43 kDa)



Phospho-CREB (43 kDa)



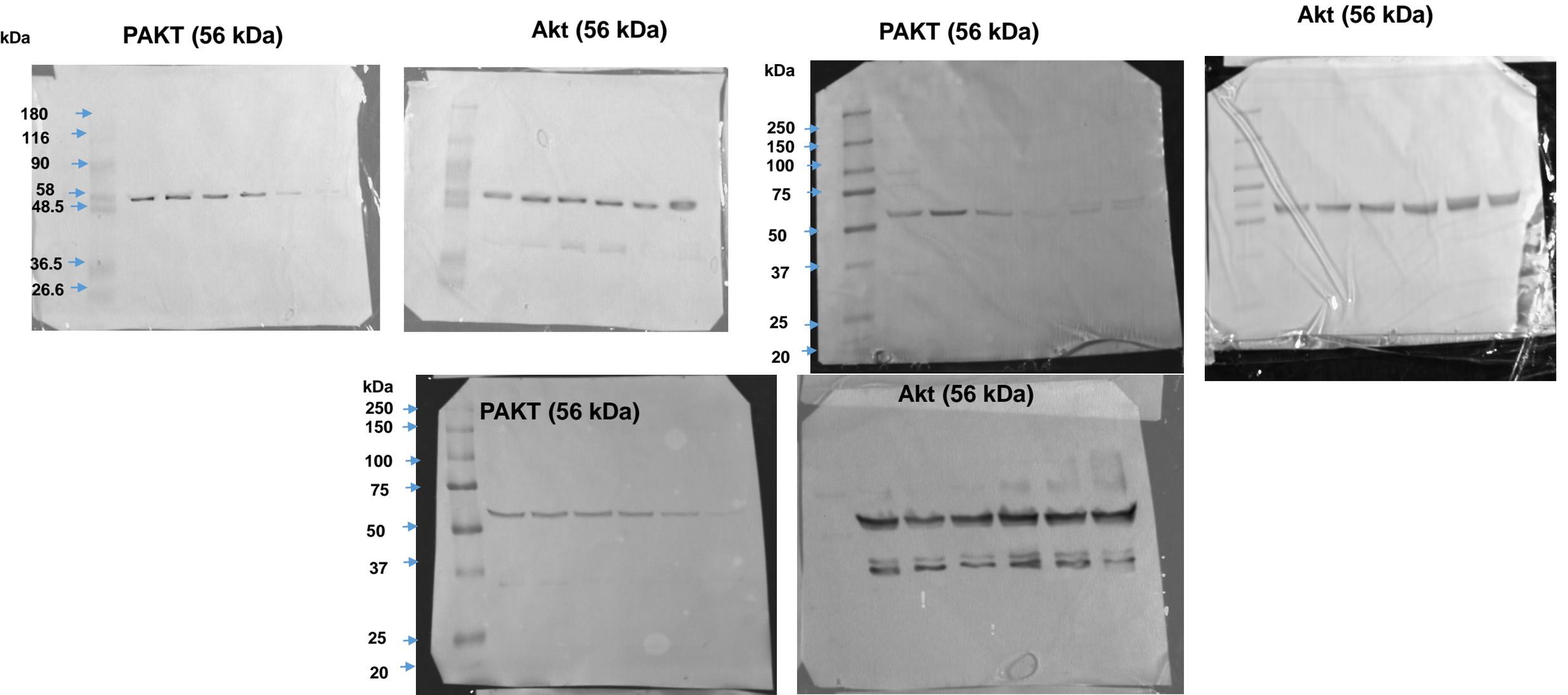
CREB (43 kDa)



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Creb antibodies and then after stripping they were probed with with total Creb antibodies.

**Supplemental figure 14**

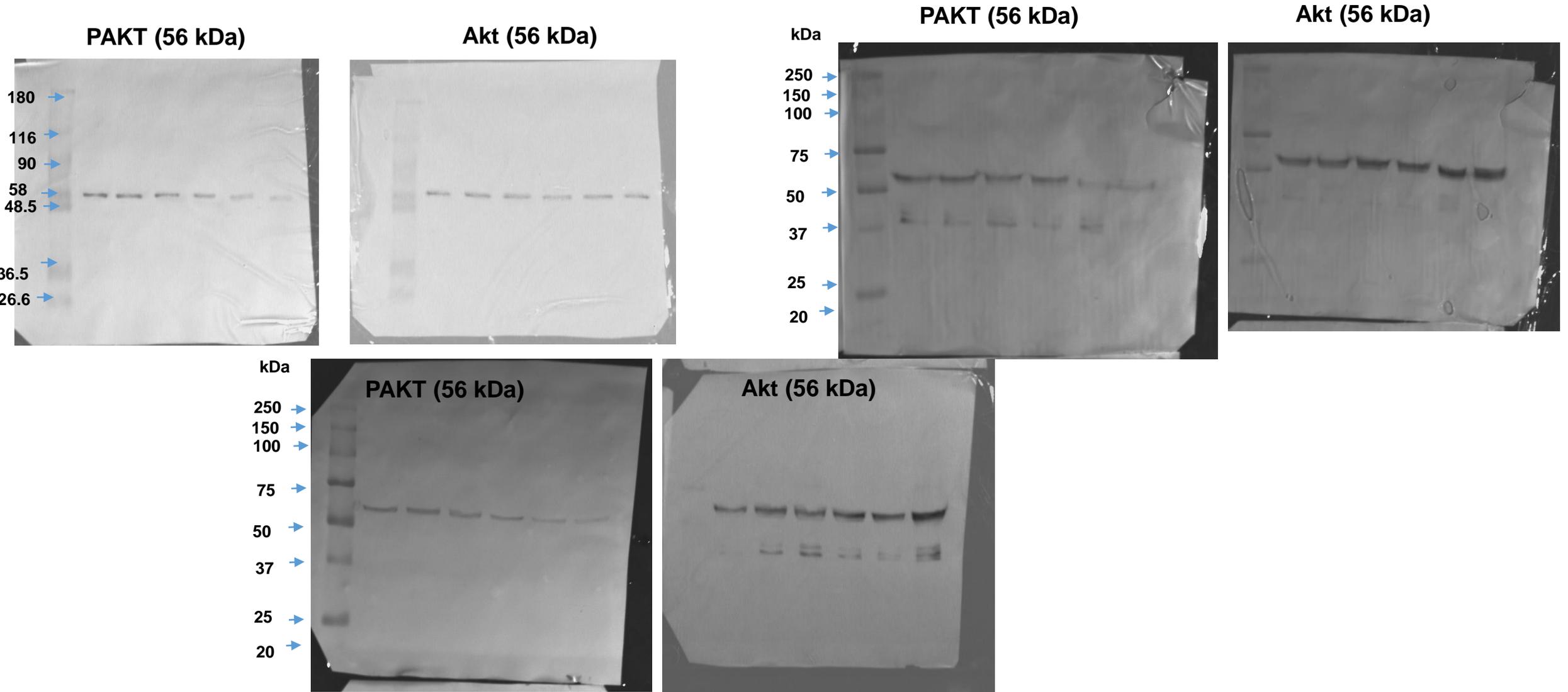
# Phospho-AKT (56 kDa) in KGN cells



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Akt antibodies and then after stripping they were probed with with total Akt antibodies.

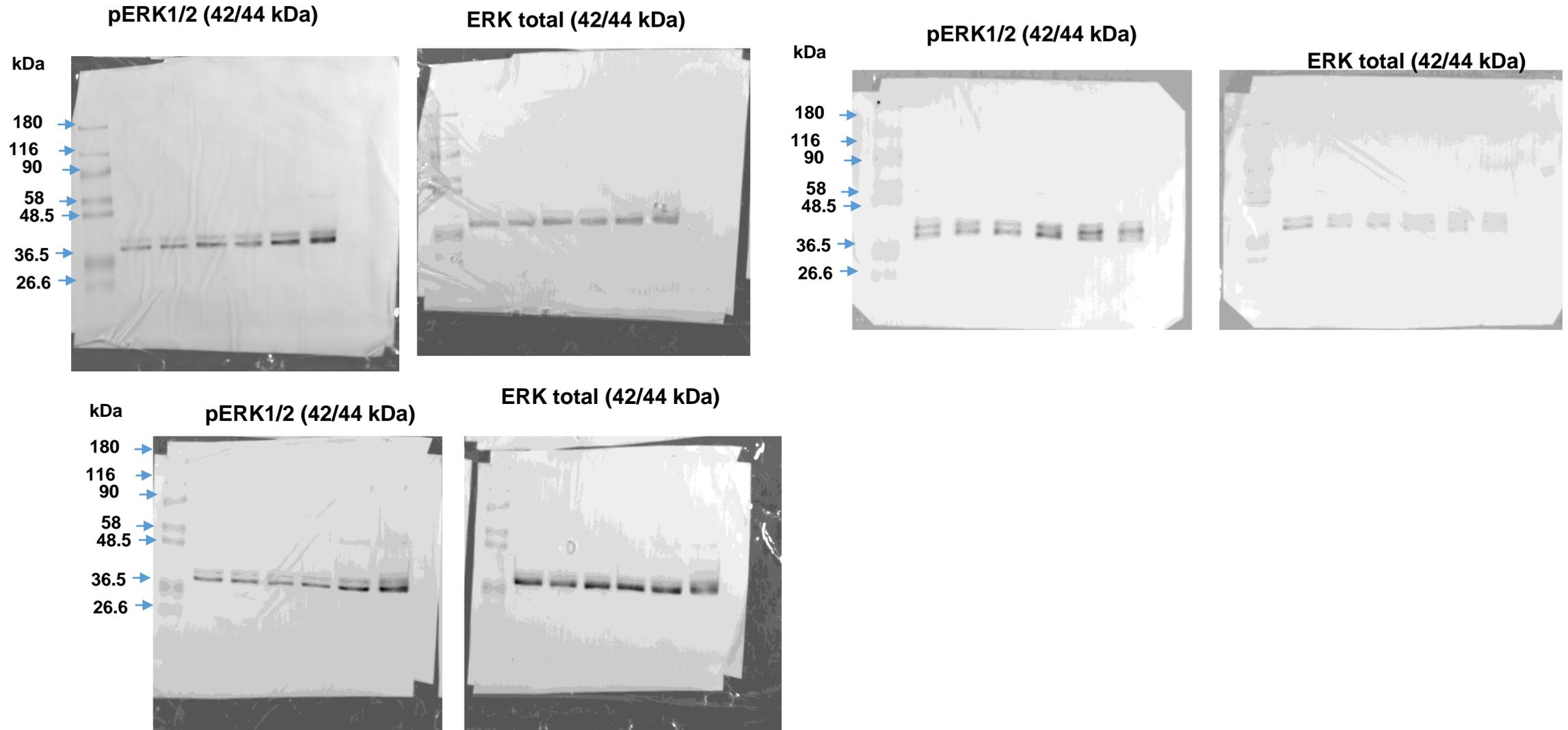
**Supplemental figure 15**

# Phospho-AKT (56 kDa) in hGC cells



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-Akt antibodies and then after stripping they were probed with with total Akt antibodies.

# pERK1/2 (42/44 kDa) in KGN cells



**Revelation of the blots performed with the a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software :** a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-ERK1/2 antibodies and then after stripping they were probed with total ERK1/2 antibodies.

**Supplemental figure 17**

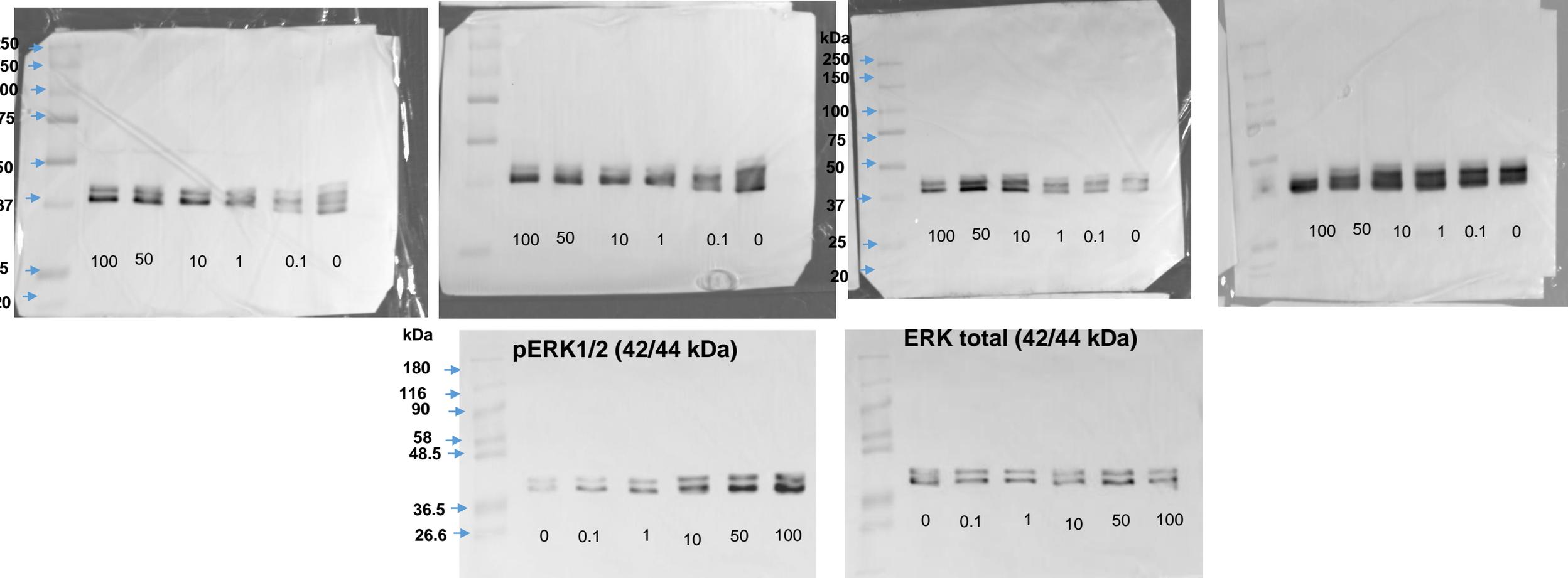
# pERK1/2 (42/44 kDa) in hGC cells

pERK1/2 (42/44 kDa)

ERK total (42/44 kDa)

pERK1/2 (42/44 kDa)

ERK total (42/44 kDa)



**Revelation of the blots performed with the** a G-box SynGene (Ozyme, St Quentin en Yvelines, France) and GeneSnap software : a composite with the membrane with the markers and the membrane revealed with ECL after the antibodies incubation is shown. Membranes were probed with phospho-ERK1/2 antibodies and then after stripping they were probed with total ERK1/2 antibodies.

**Supplemental figure 18**