

CPD4 Reverses Chemoresistance and Suppresses Cancer Stem Cell Phenotypes in Triple-Negative Breast Cancer via ROR1 Inhibition

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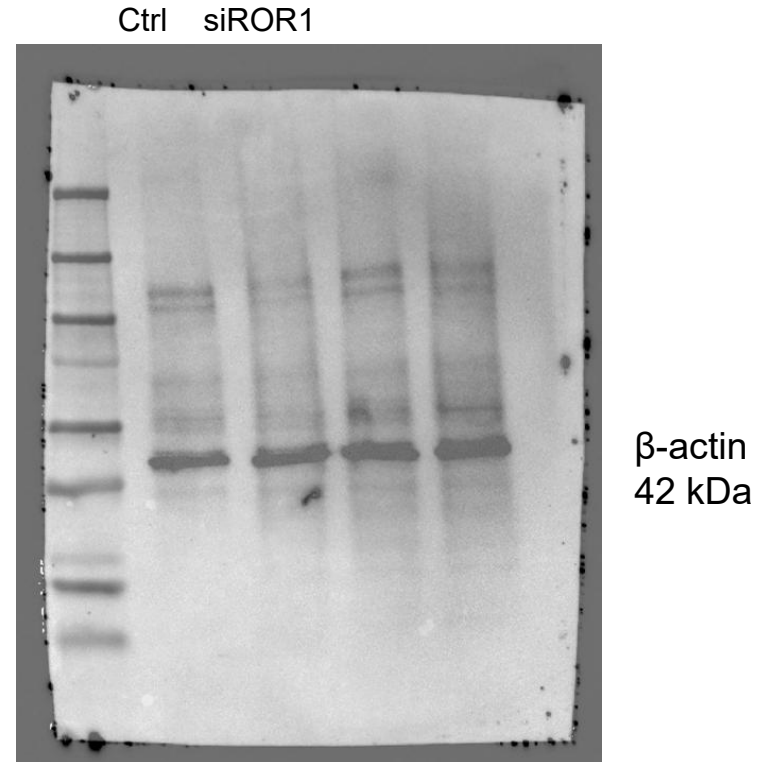
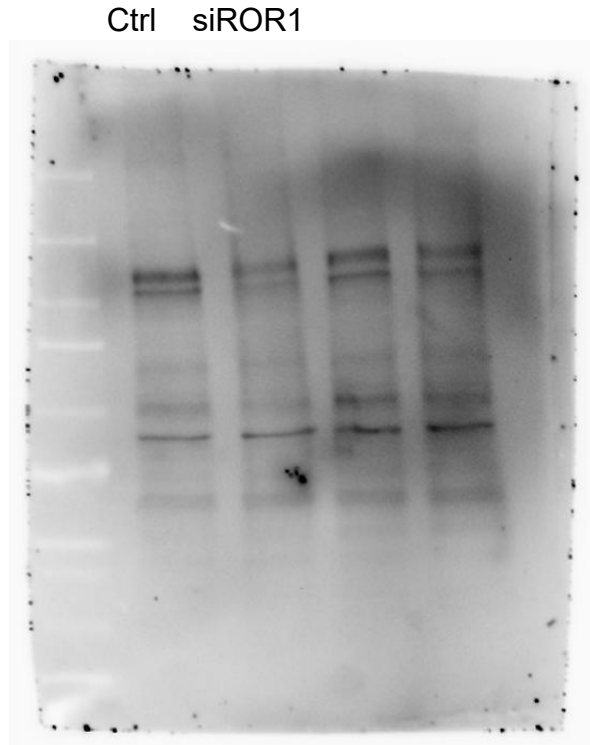
⁴ Delhi School of Public Health, Institute of Eminence, University of Delhi, Delhi 110007, India

Western Blots Raw Data

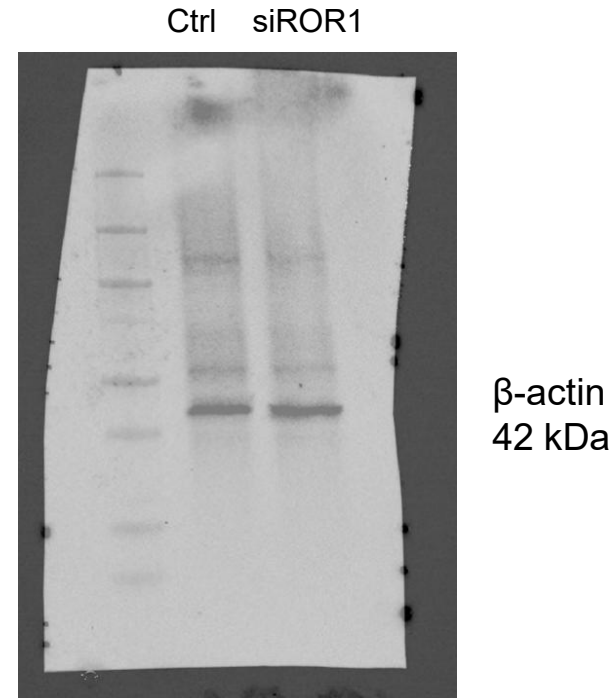
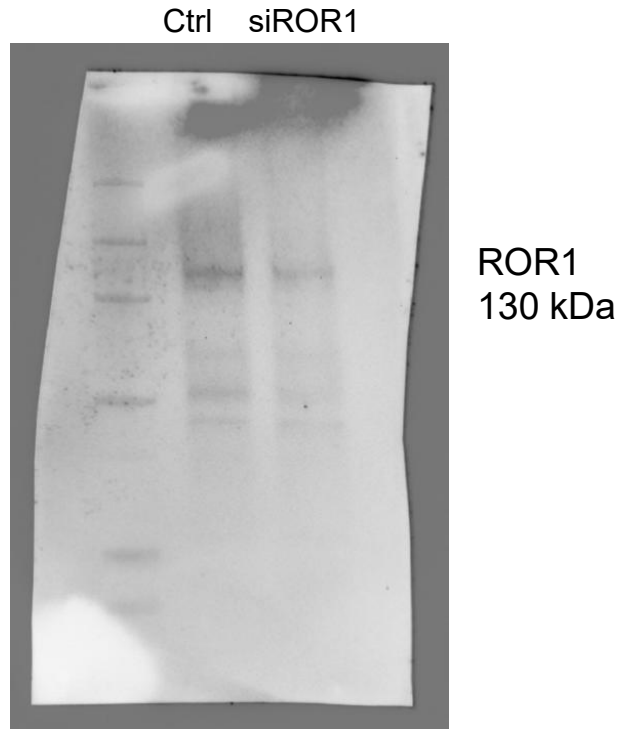
1. Following protein transfer, wide nitrocellulose membranes containing multiple experimental replicates were sectioned vertically between sample lane boundaries prior to blocking and primary antibody hybridization. Vertical sectioning preserved the full, uncropped vertical length of the membrane across all molecular weight ranges, retaining complete lane integrity and molecular weight marker profiles without horizontal trimming.
2. Lanes visualized in the manuscript are labeled and cropped for densitometry analysis (n=3). Unlabeled lanes were not used for analysis.
3. Membranes that were incubated with HRP conjugated secondary antibodies were visualized using a Biorad chemiluminescence image.
4. “**Ctrl**” labeled lanes are proteins from cells treated with vehicle control for 24 hours. “**24h**”, “**48h**”, and “**72h**” labeled lanes are proteins from cells treated with CPD4 for 24 hours and 48 hours, respectively.
5. All densitometry analysis was normalized to housekeeping proteins (β -actin or GAPDH).

SUM159PT-R: siROR1 (1)

This replicate was cropped in the manuscript (Figure 1A).

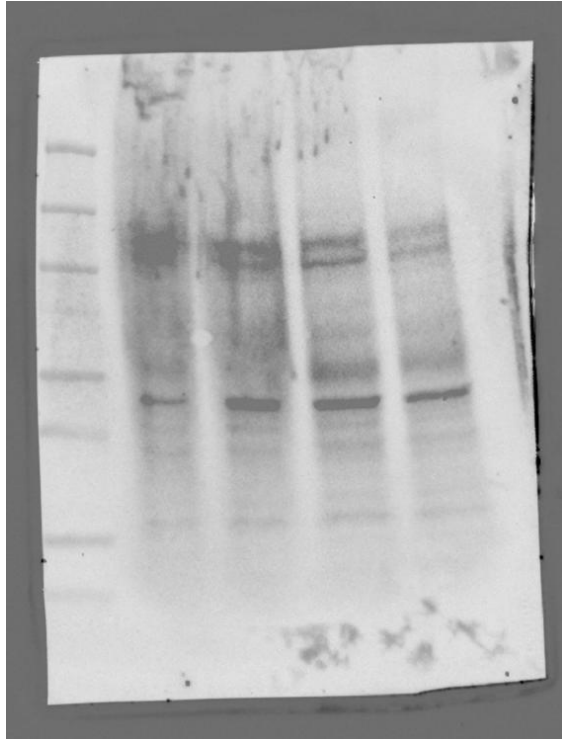


SUM159PT-R: siROR1 (2)



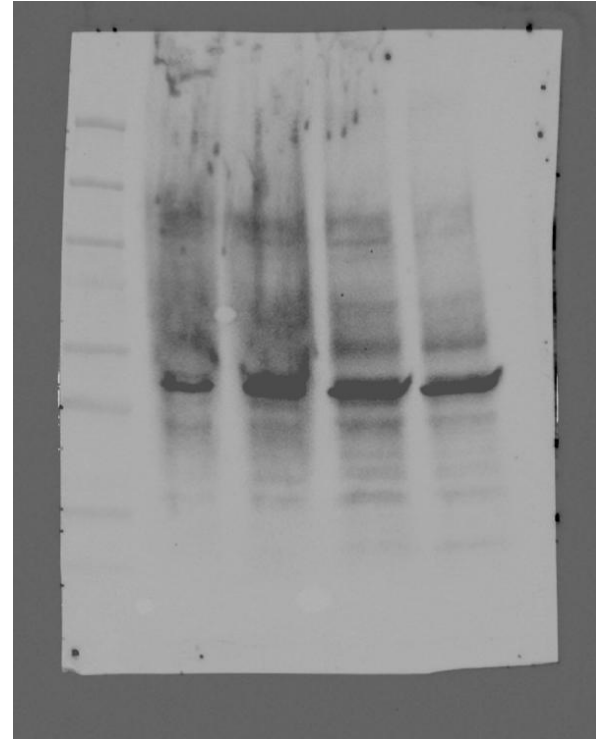
SUM159PT-R: siROR1 (3)

Ctrl siROR1



ROR1
130 kDa

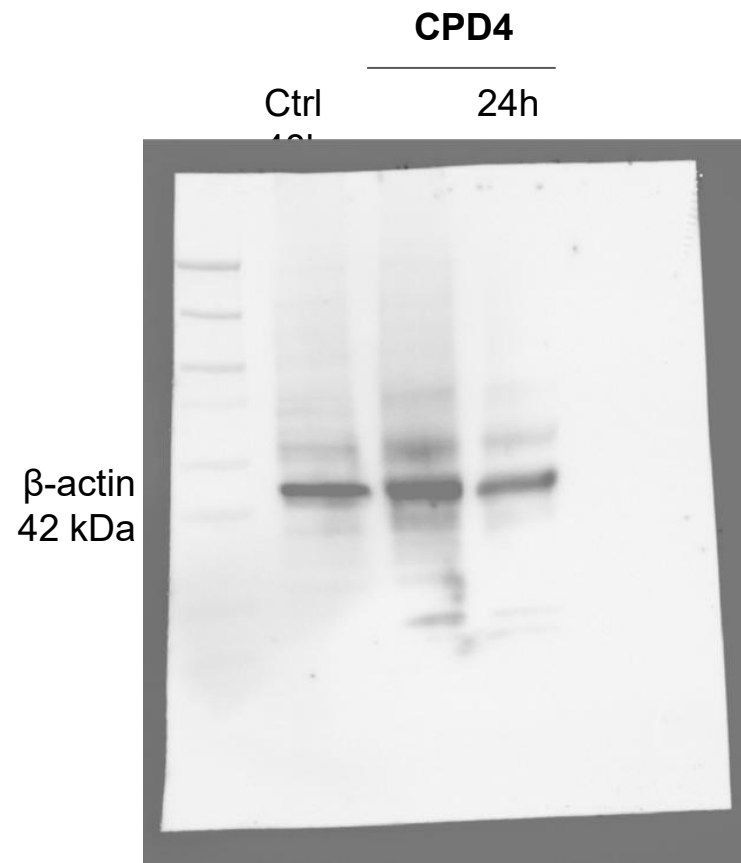
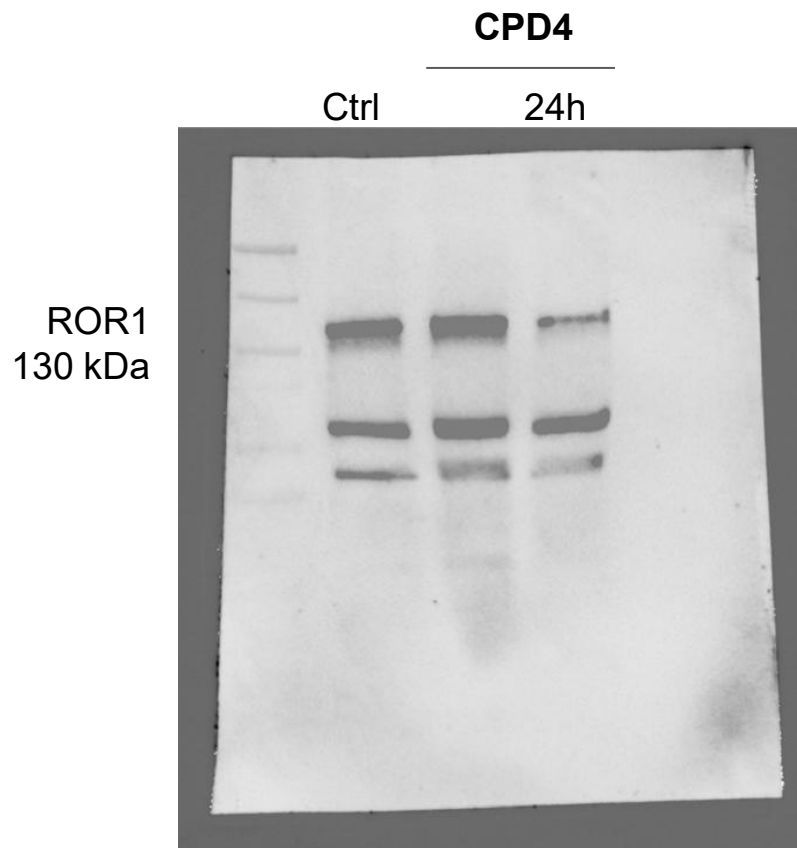
Ctrl siROR1



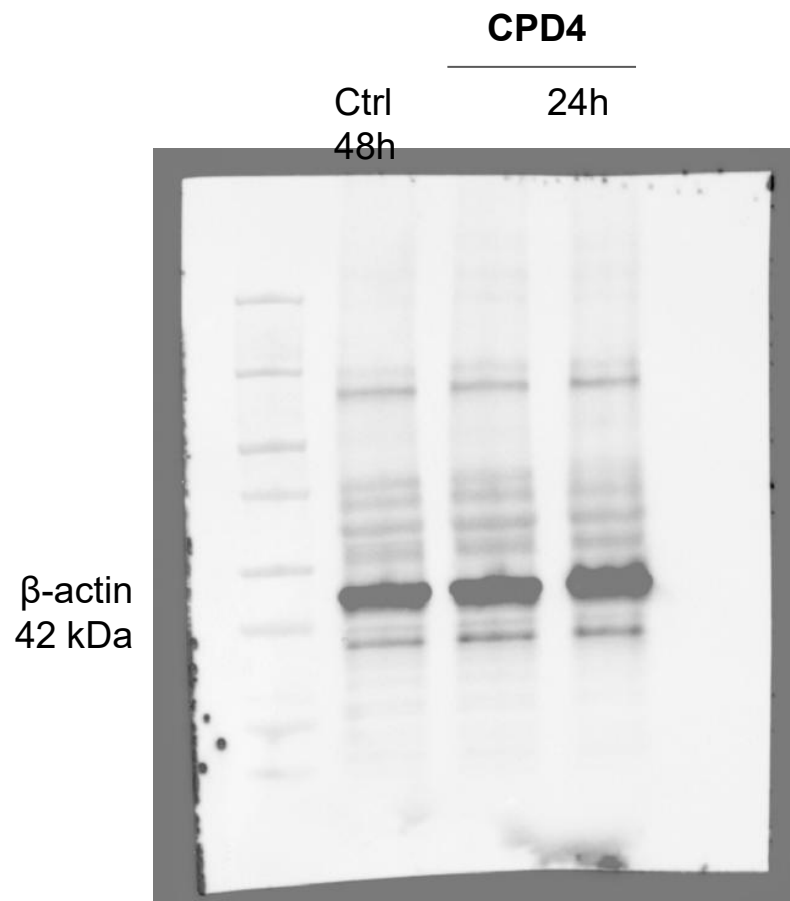
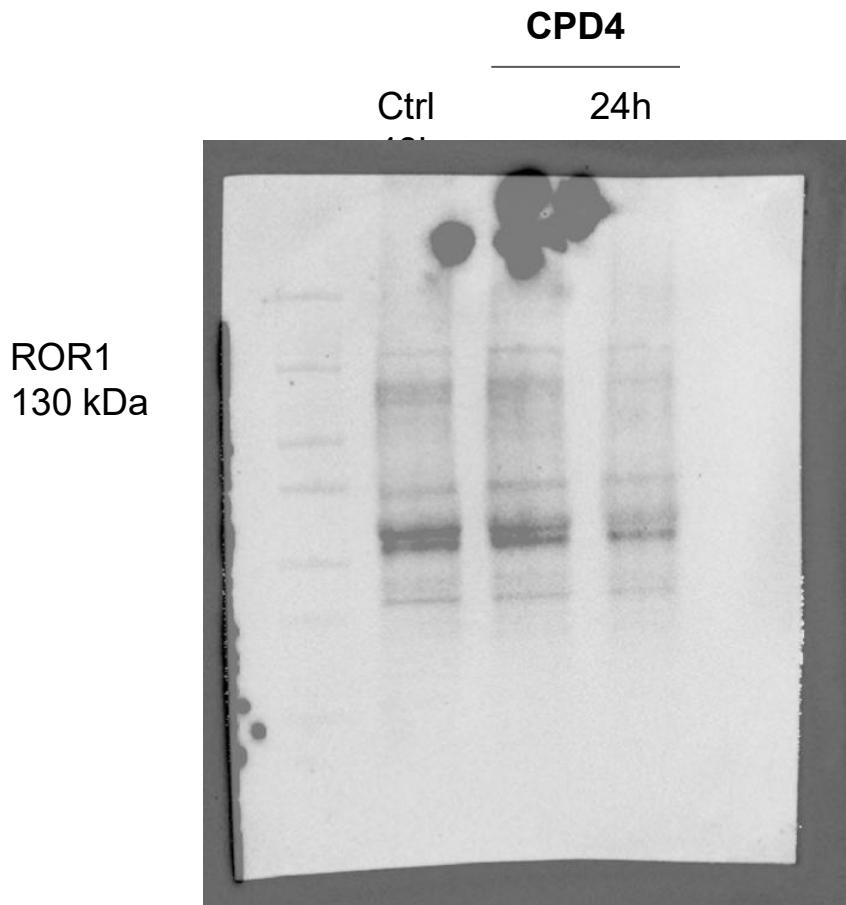
β -actin
42 kDa

SUM159PT-R: ROR1 inhibition with CPD4 (1)

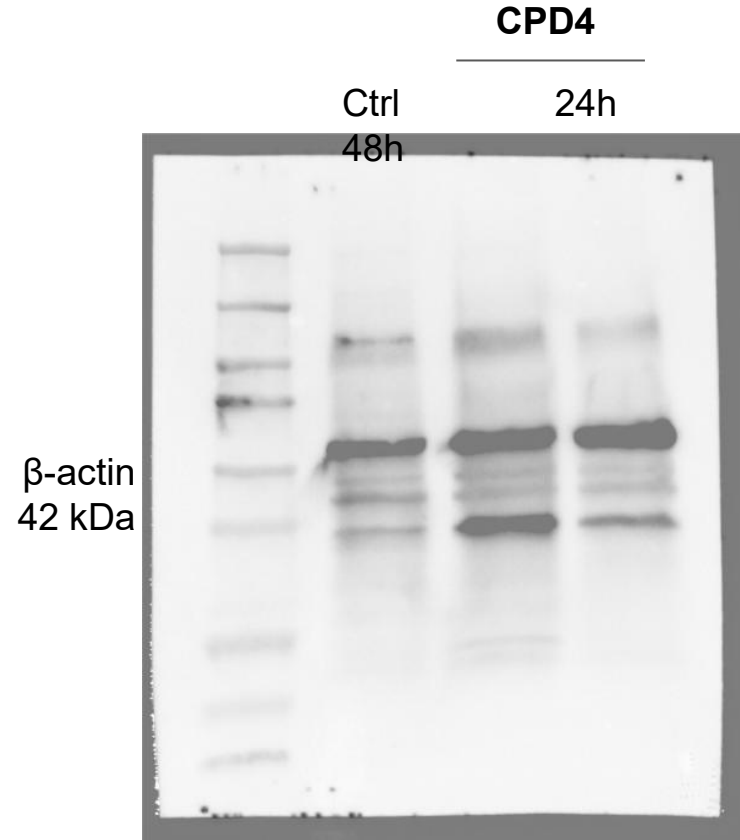
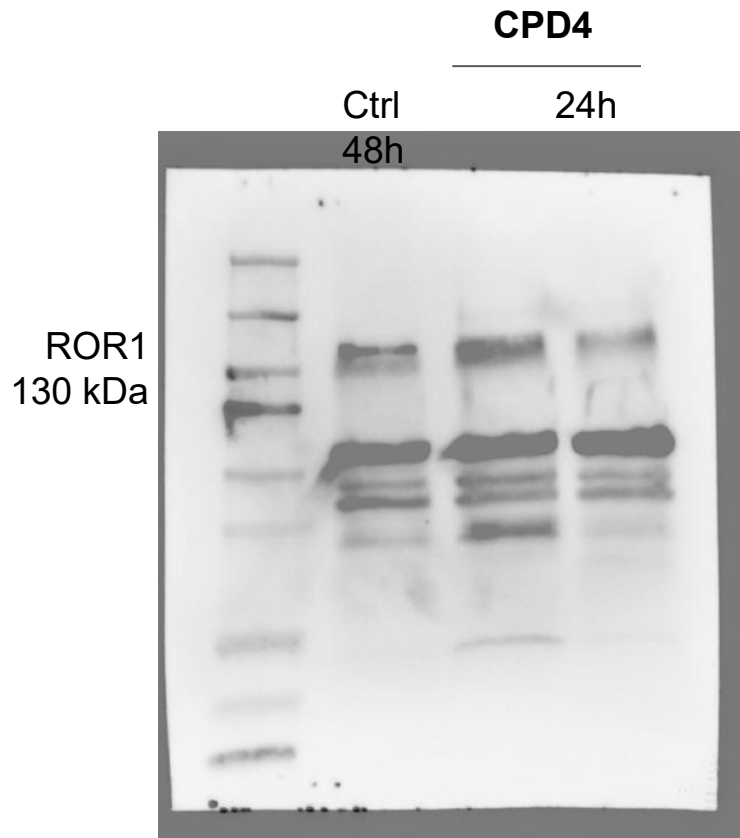
This replicate was cropped in the manuscript (Figure 1A).



SUM159PT-R: ROR1 inhibition with CPD4 (2)

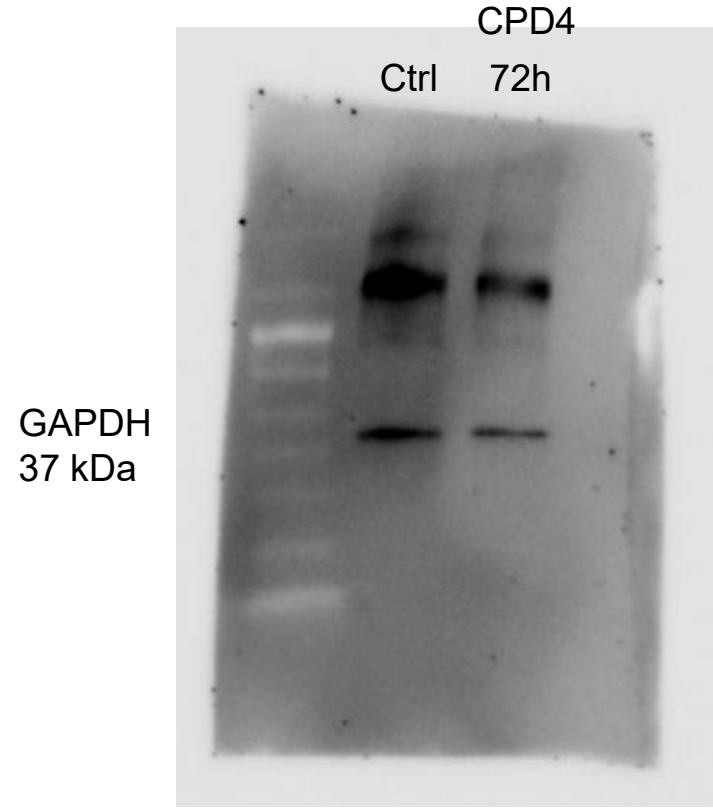
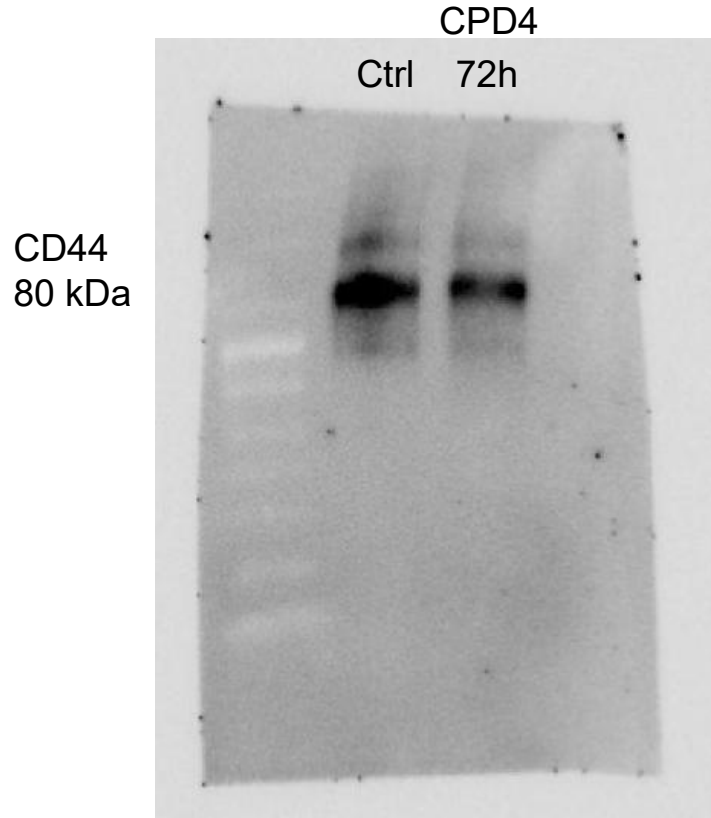


SUM159PT-R: ROR1 inhibition with CPD4 (3)

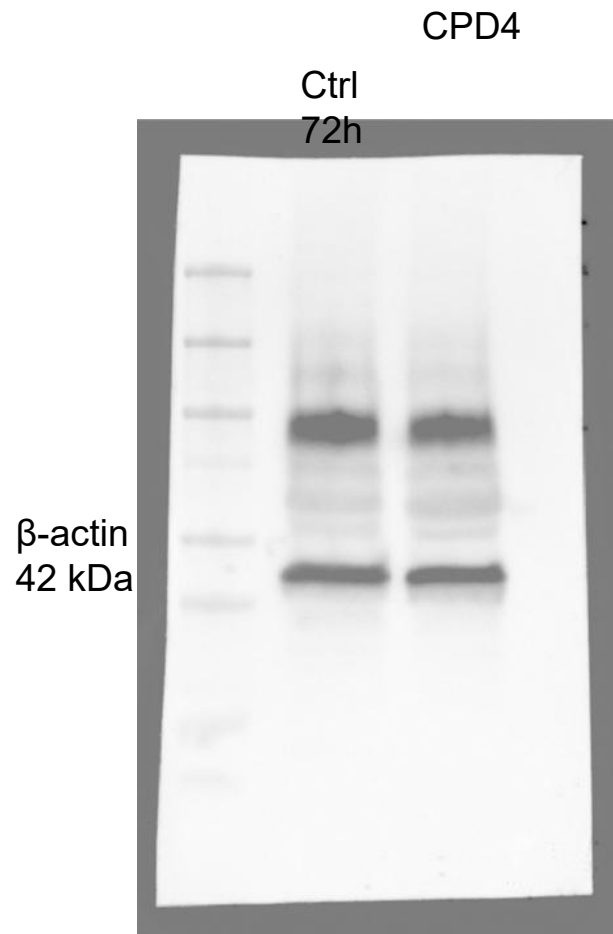
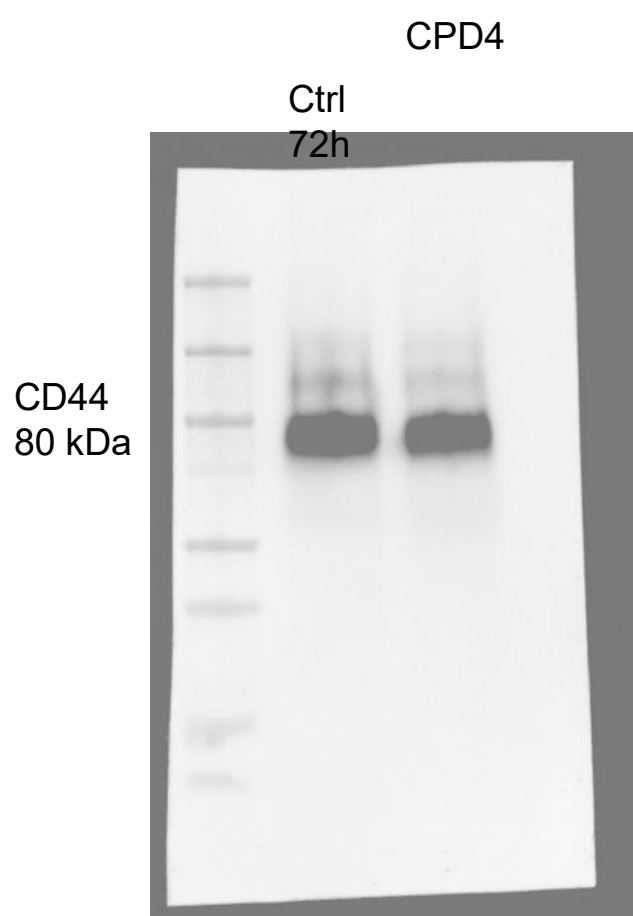


MDA-MB-231: CD44 (1)

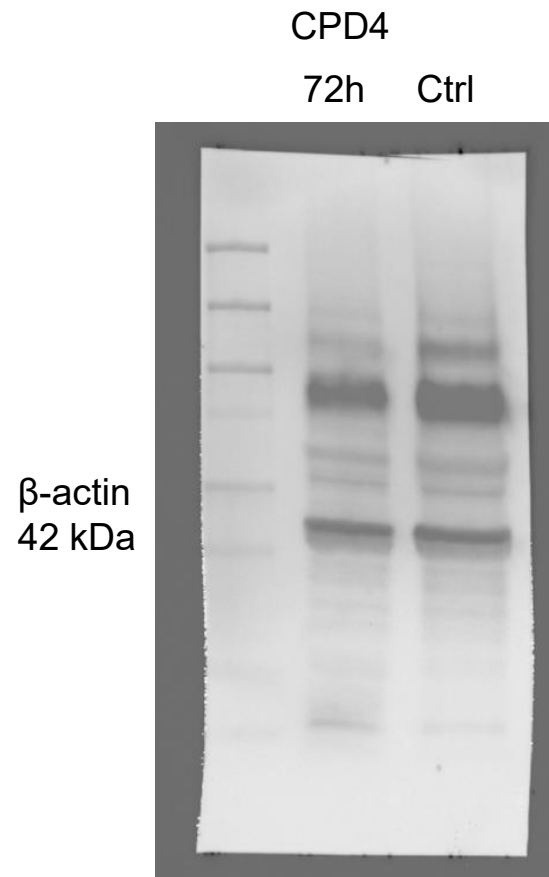
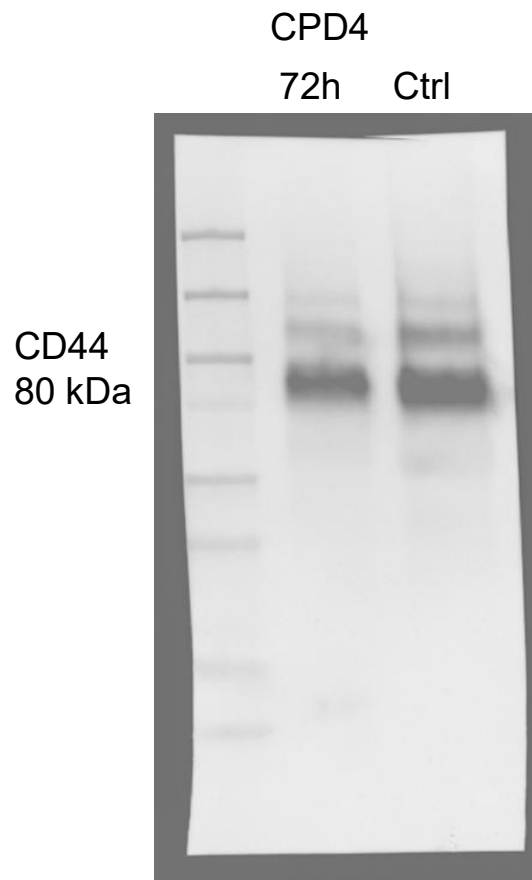
This replicate was cropped in the manuscript (Figure 4A).



MDA-MB-231: CD44 (2)



MDA-MB-231: CD44 (3)



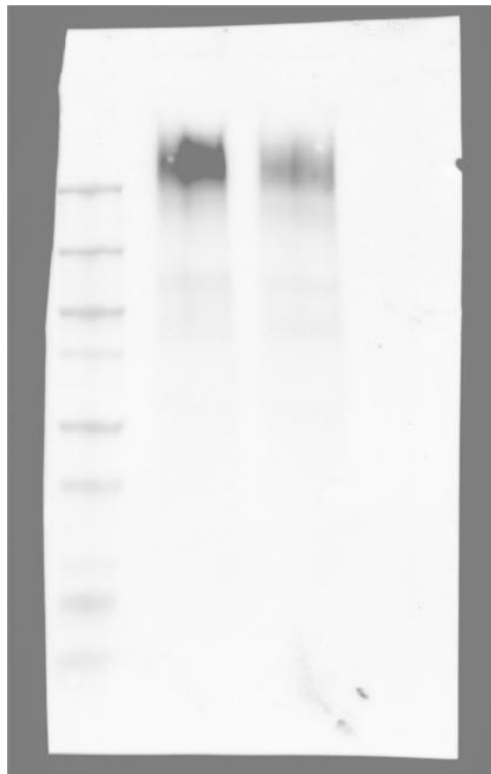
HCC1806: CD44 (1)

CPD4

Ctrl

72h

CD44
80-200 kDa

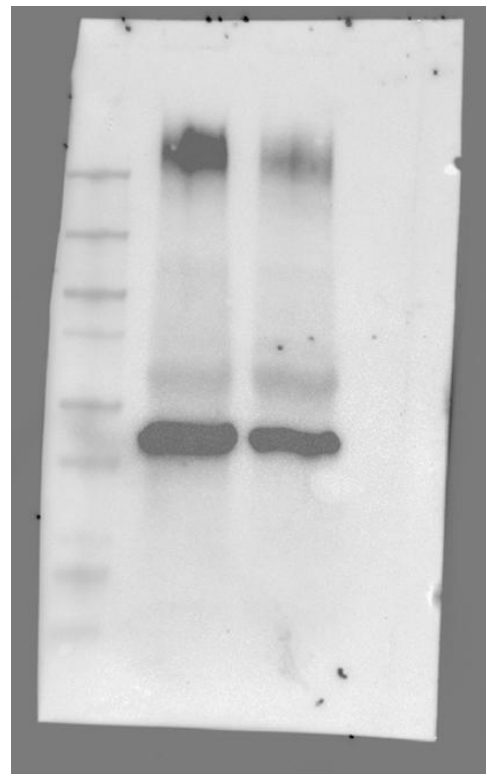


CPD4

Ctrl

72h

β -actin
42 kDa



HCC1806: CD44 (2)

CPD4

Ctrl

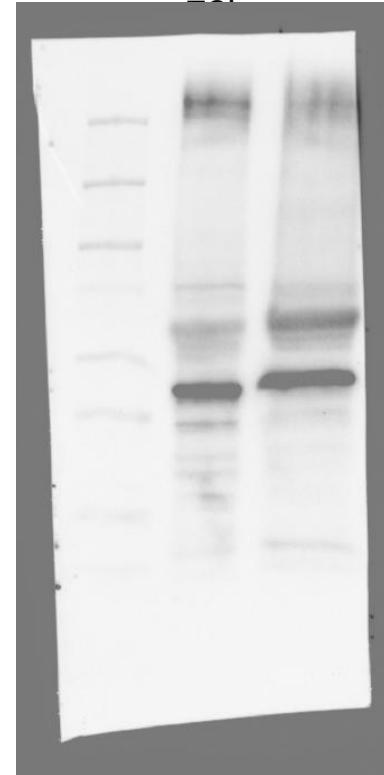
CD44
80 kDa



CPD4

Ctrl

β -actin
42 kDa



HCC1806: CD44 (3)

This replicate was cropped in the manuscript (Figure 4A).

CPD4

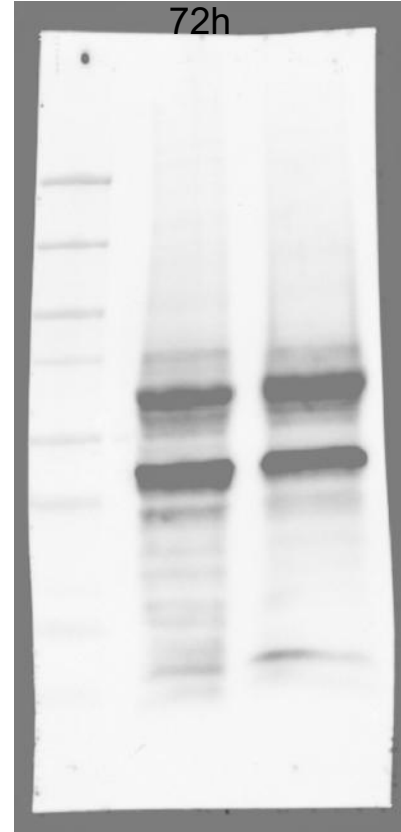
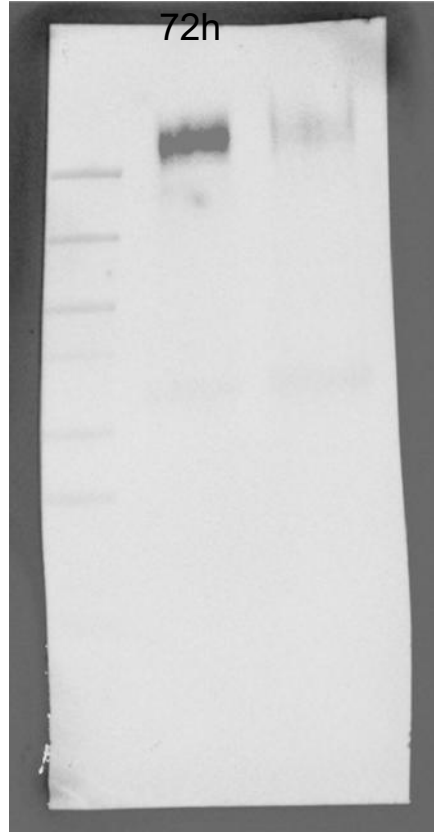
CPD4

Ctrl
72h

Ctrl
72h

CD44
80 kDa

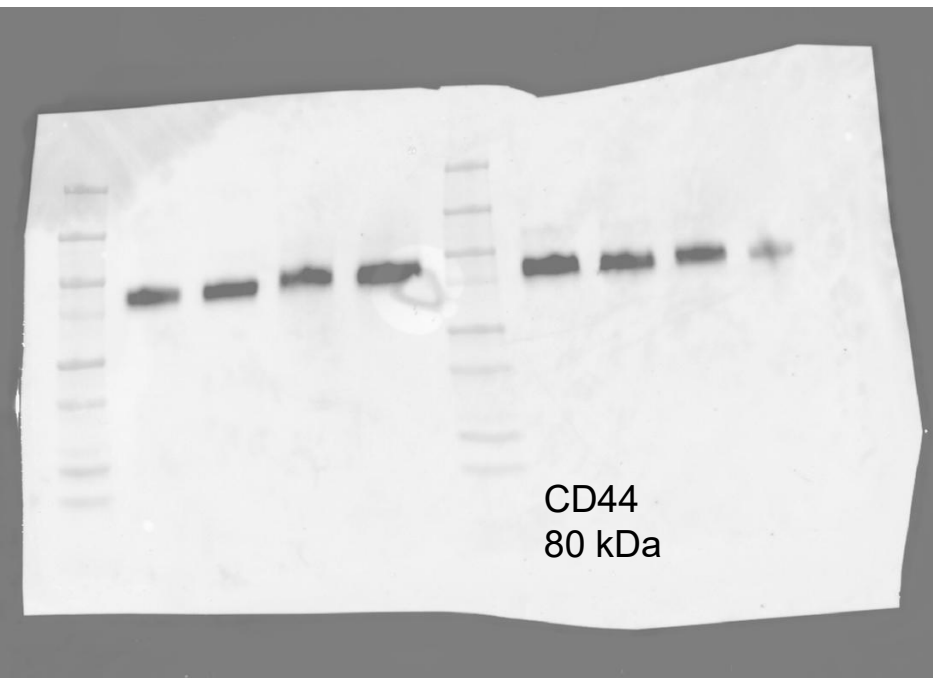
β -actin
42 kDa



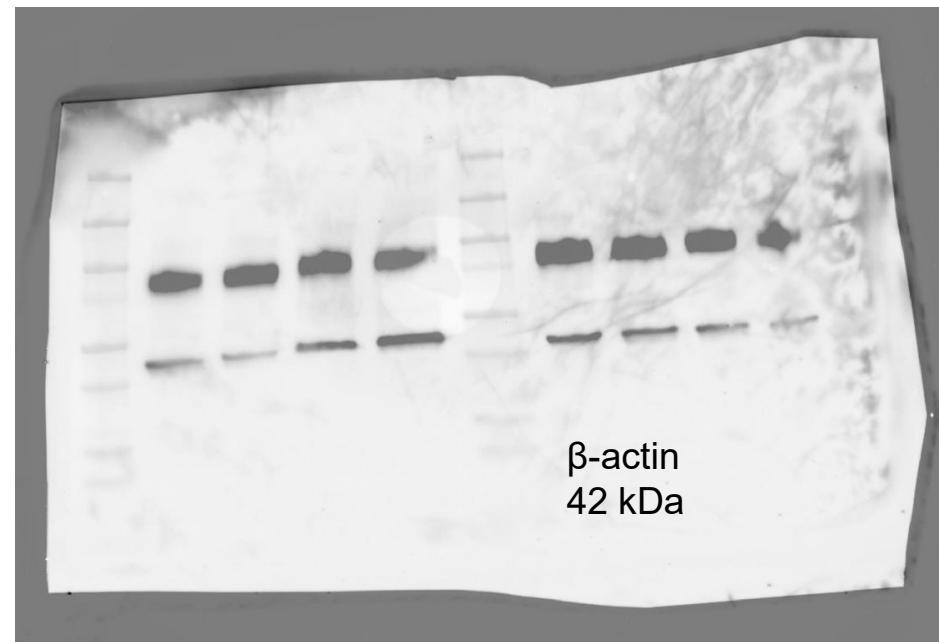
SUM159PT/R: CD44 (1)

This replicate was cropped in the manuscript (Figure 4A).

CPD4
Ctrl 72h



CPD4
Ctrl 72h



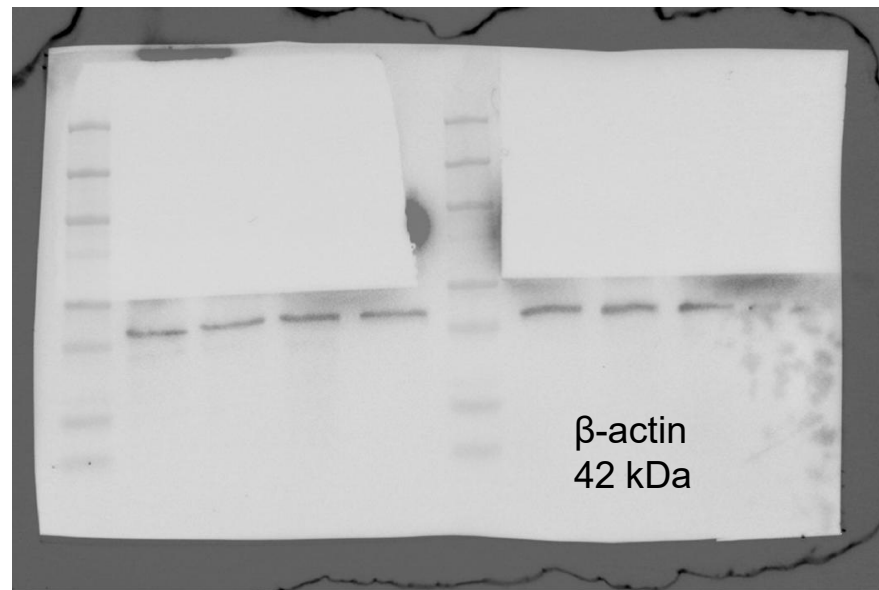
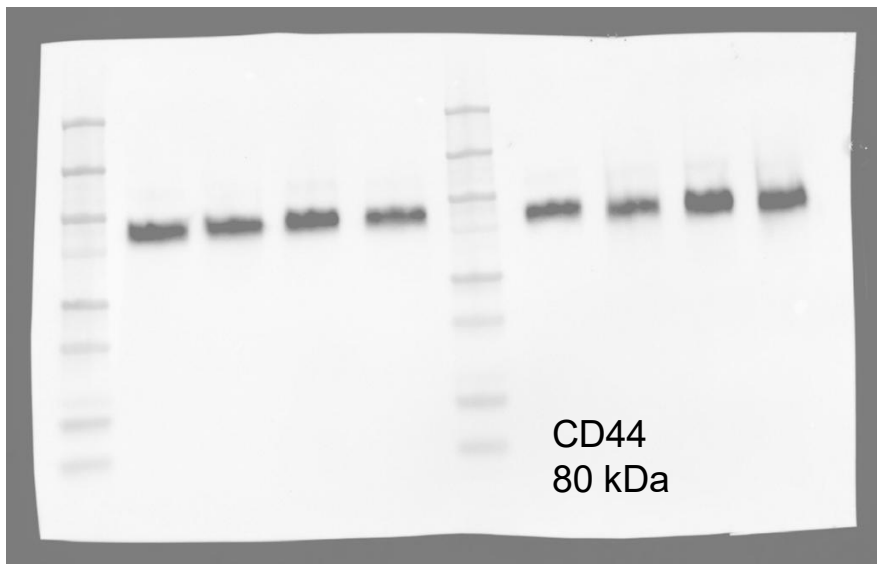
SUM159PT/R: CD44 (2)

CPD4
Ctrl 72h

CD44
80 kDa

CPD4
Ctrl 72h

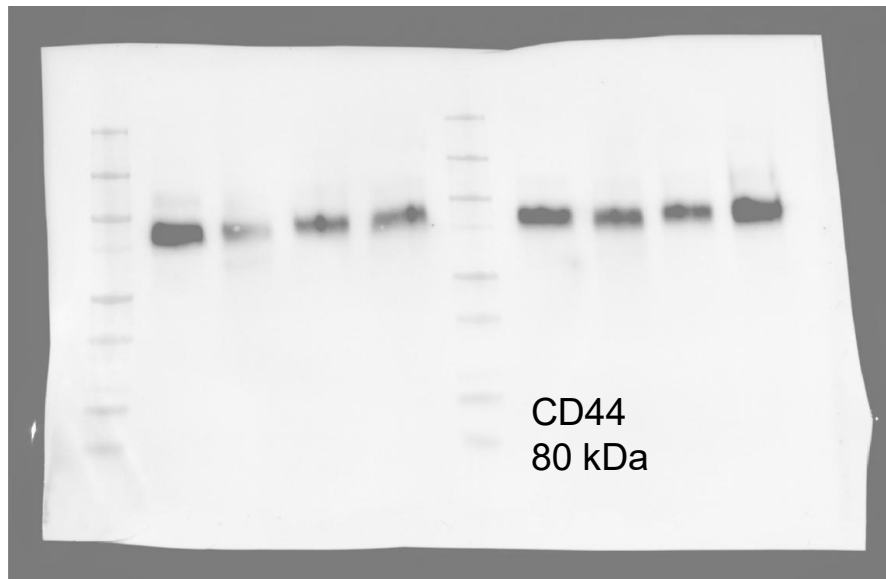
β -actin
42 kDa



SUM159PT/R: CD44 (3)

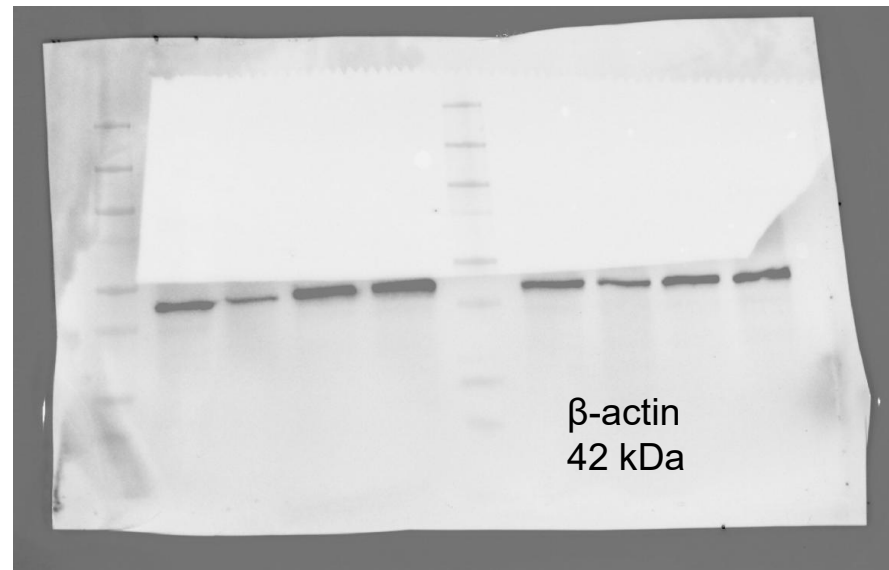
CPD4

Ctrl 72h

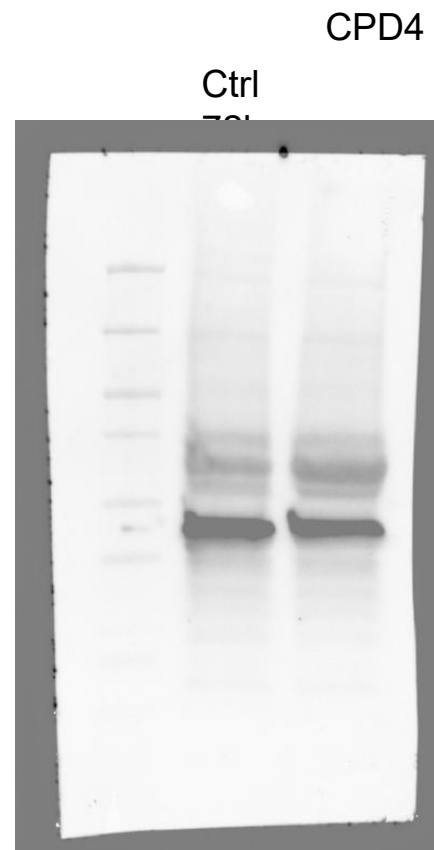
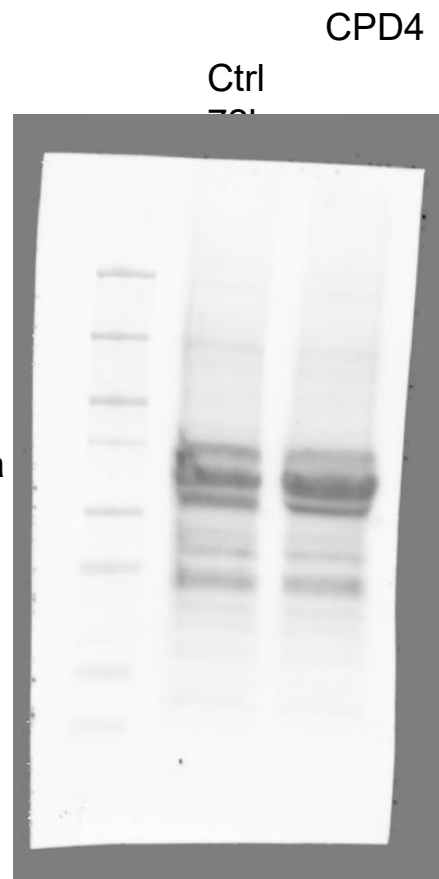


CPD4

Ctrl 72h

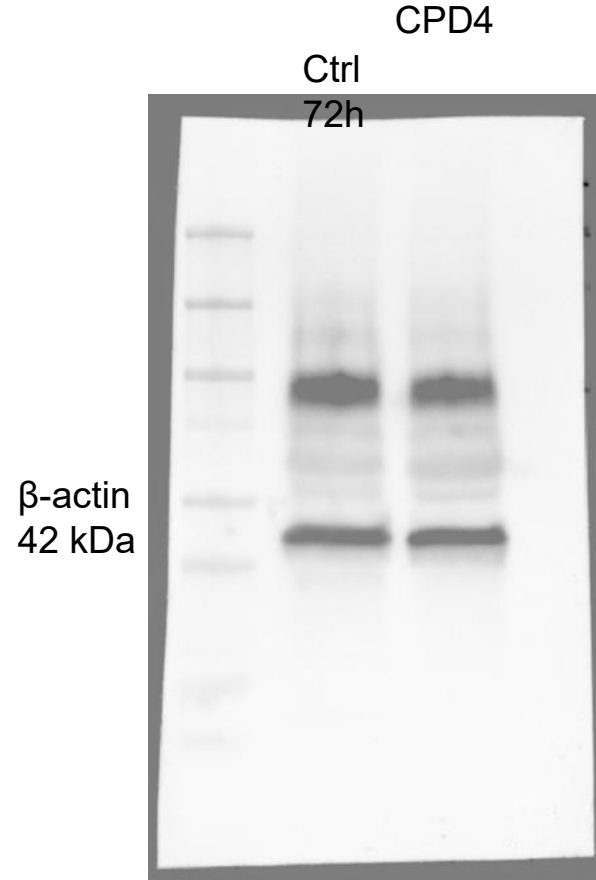
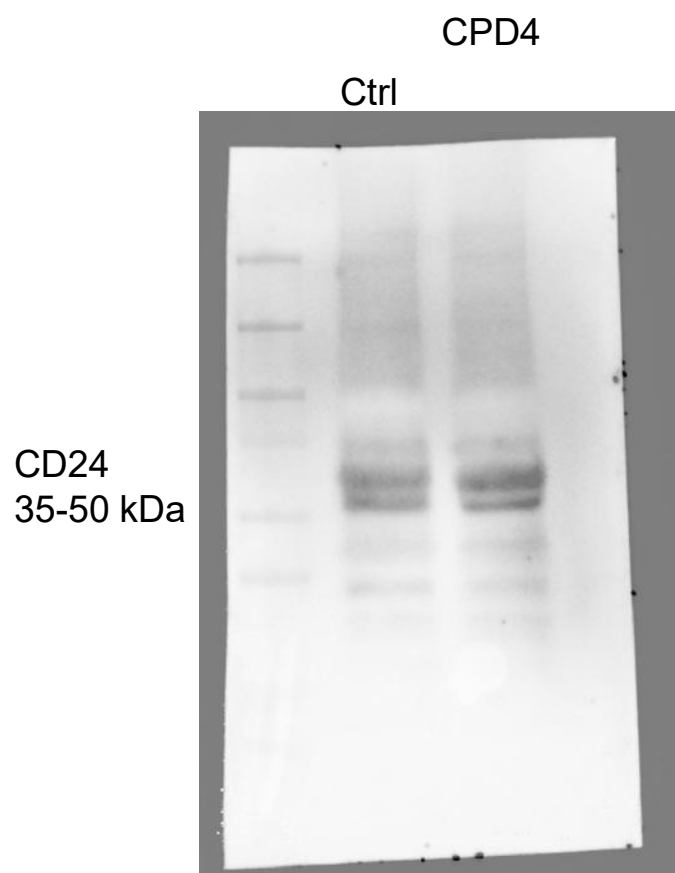


MDA-MB-231: CD24 (1)



MDA-MB-231: CD24 (2)

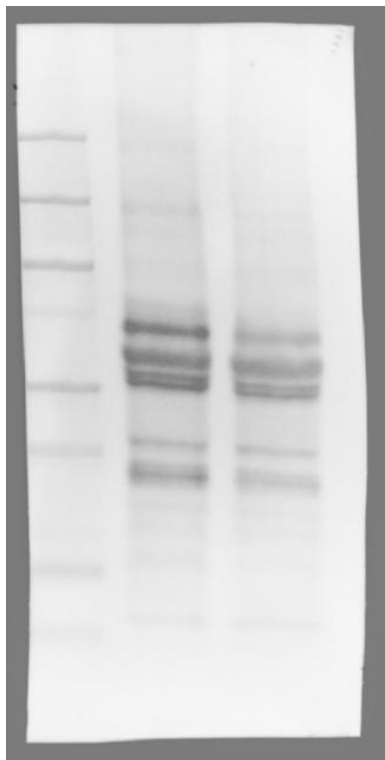
This replicate was cropped in the manuscript (Figure 4A).



MDA-MB-231: CD24 (3)

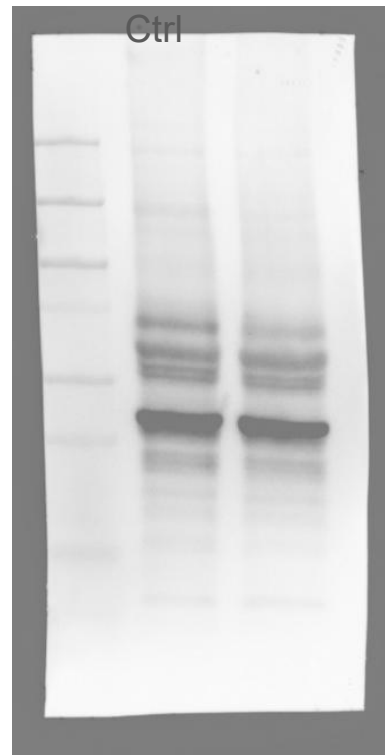
CPD4
72h

CD24
35-50 kDa

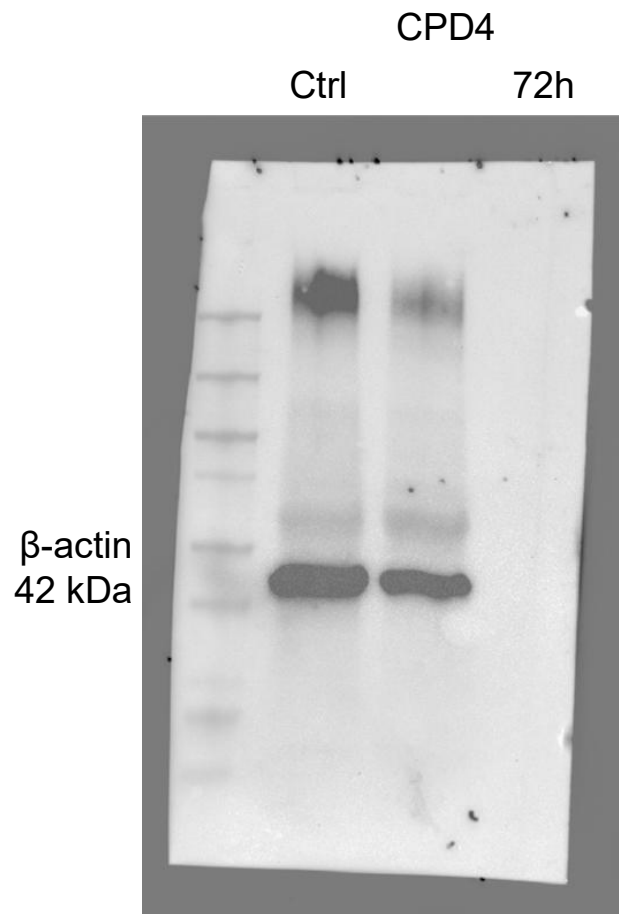
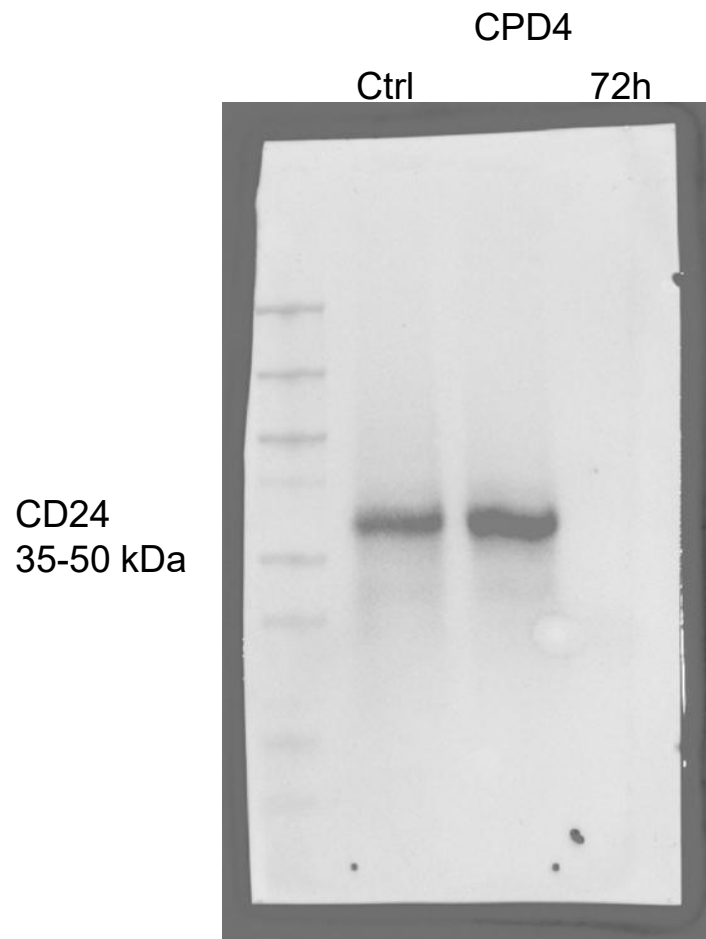


CPD4
72h
Ctrl

β -actin
42 kDa



HCC1806: CD24 (1)

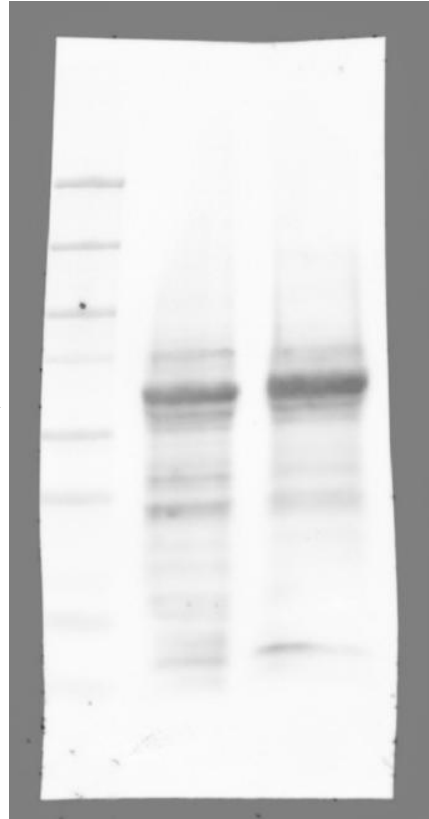


HCC1806: CD24 (2)

This replicate was cropped in the manuscript (Figure 4A).

CPD4

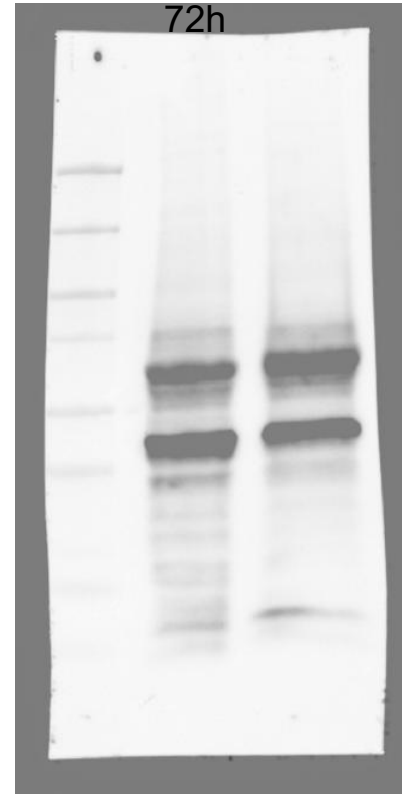
Ctrl



CPD4

Ctrl

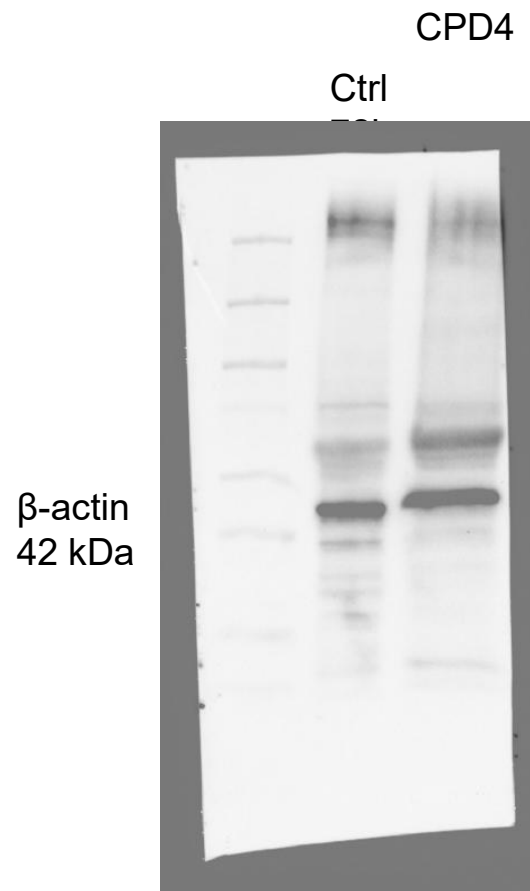
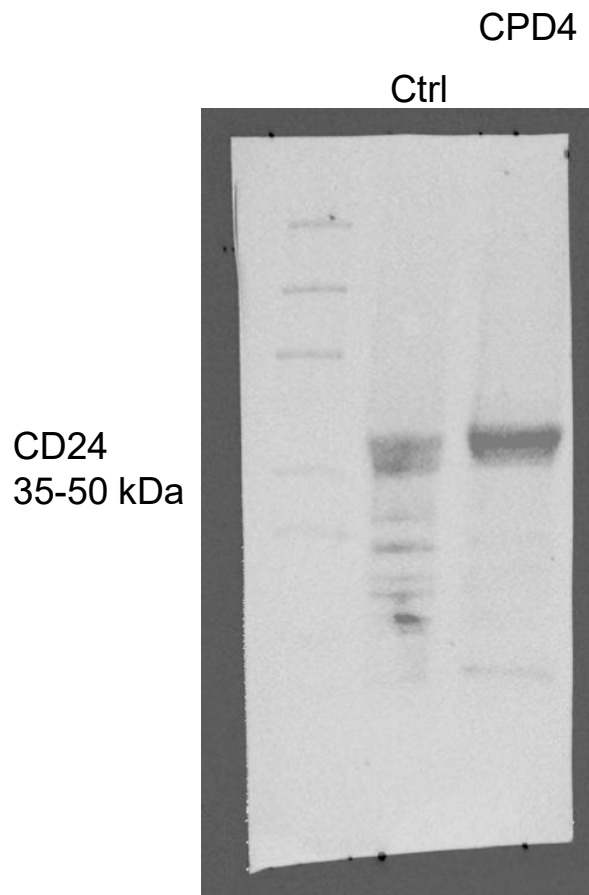
72h



β -actin
42 kDa

CD24
35-51 kDa

HCC1806: CD24 (3)

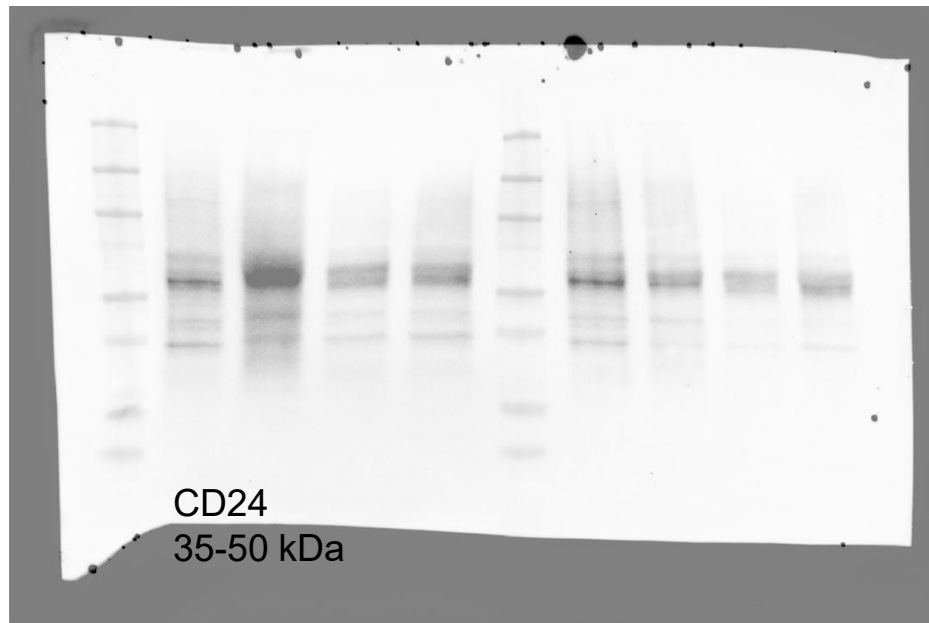


SUM159PT/R: CD24 (1)

This replicate was cropped in the manuscript (Figure 4A).

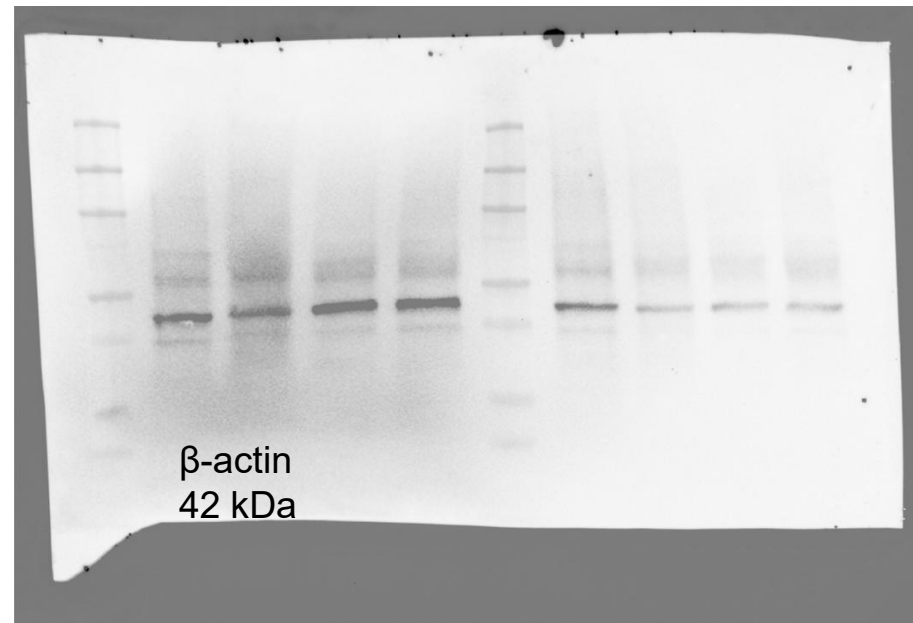
CPD4

Ctrl 72h



CPD4

Ctrl 72h



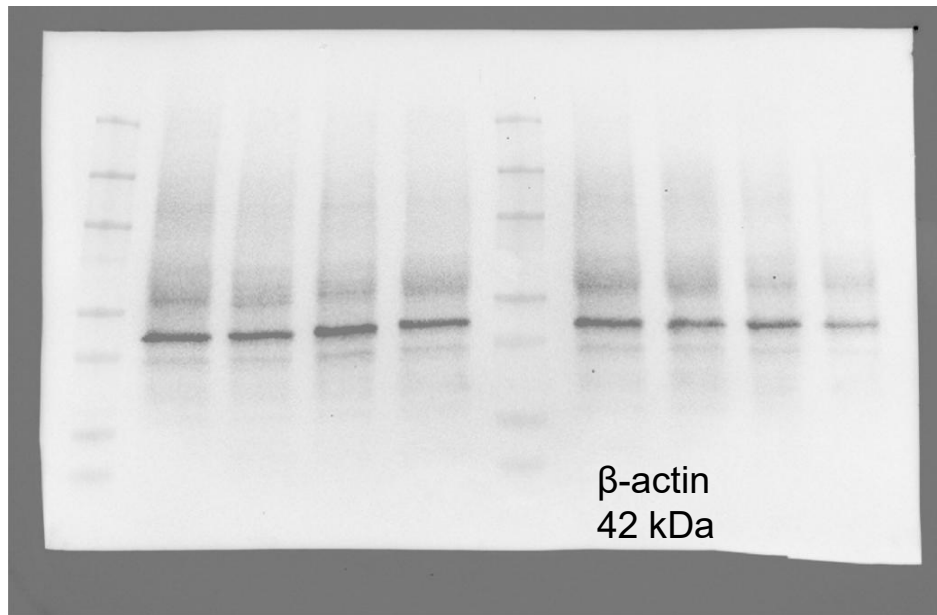
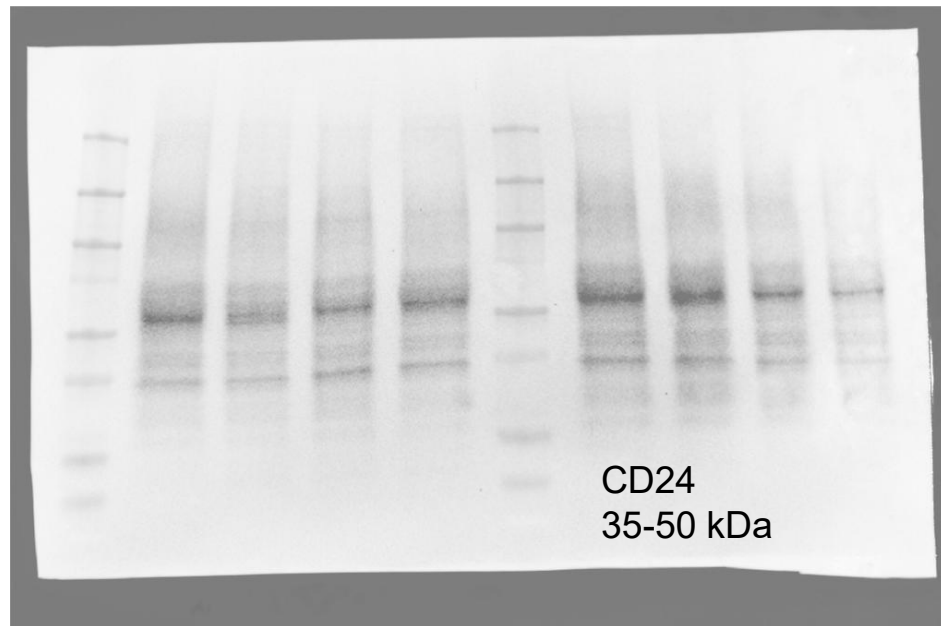
SUM159PT/R: CD24 (2)

CPD4
Ctrl 72h

CD24
35-50 kDa

CPD4
Ctrl 72h

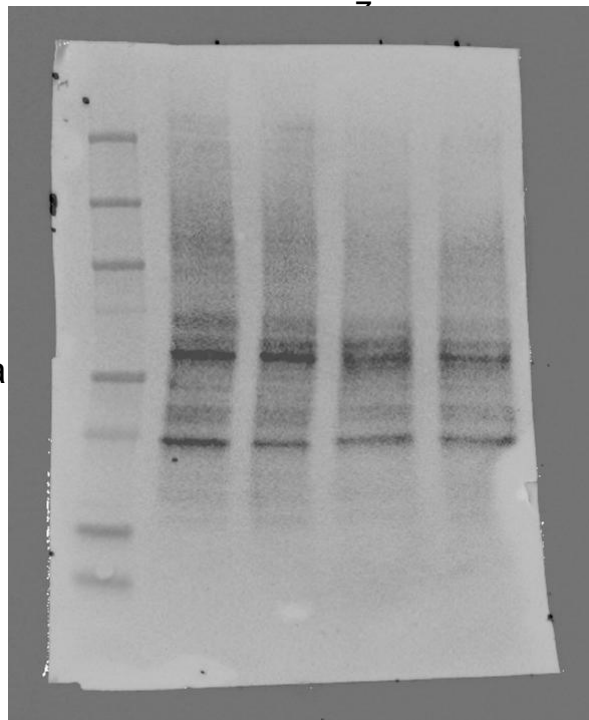
β -actin
42 kDa



SUM159PT/R: CD24 (3)

CPD4

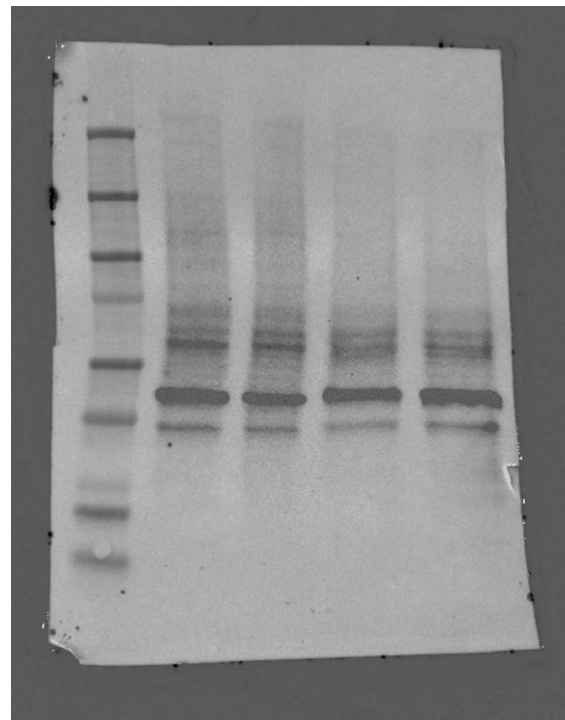
Ctrl



CD24
35-50 kDa

CPD4

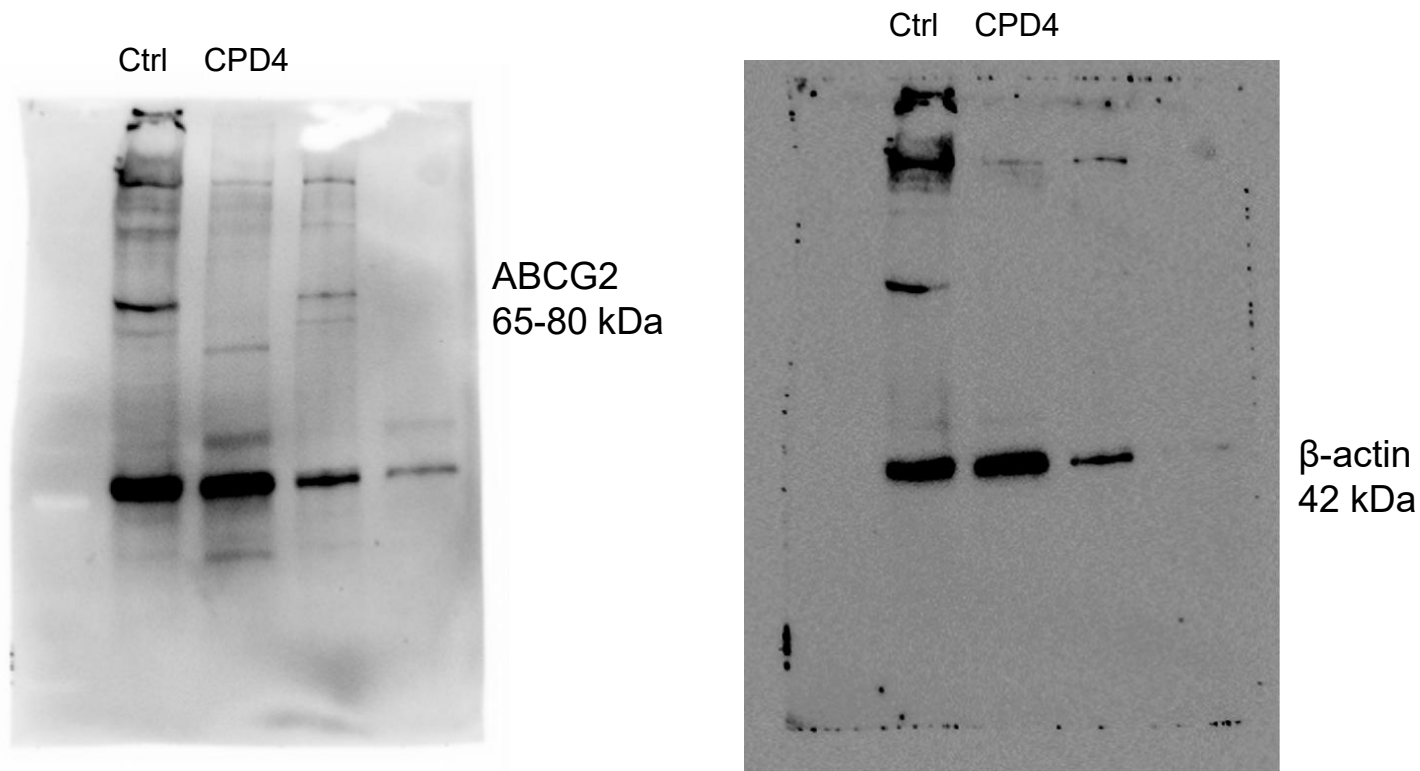
Ctrl 72h



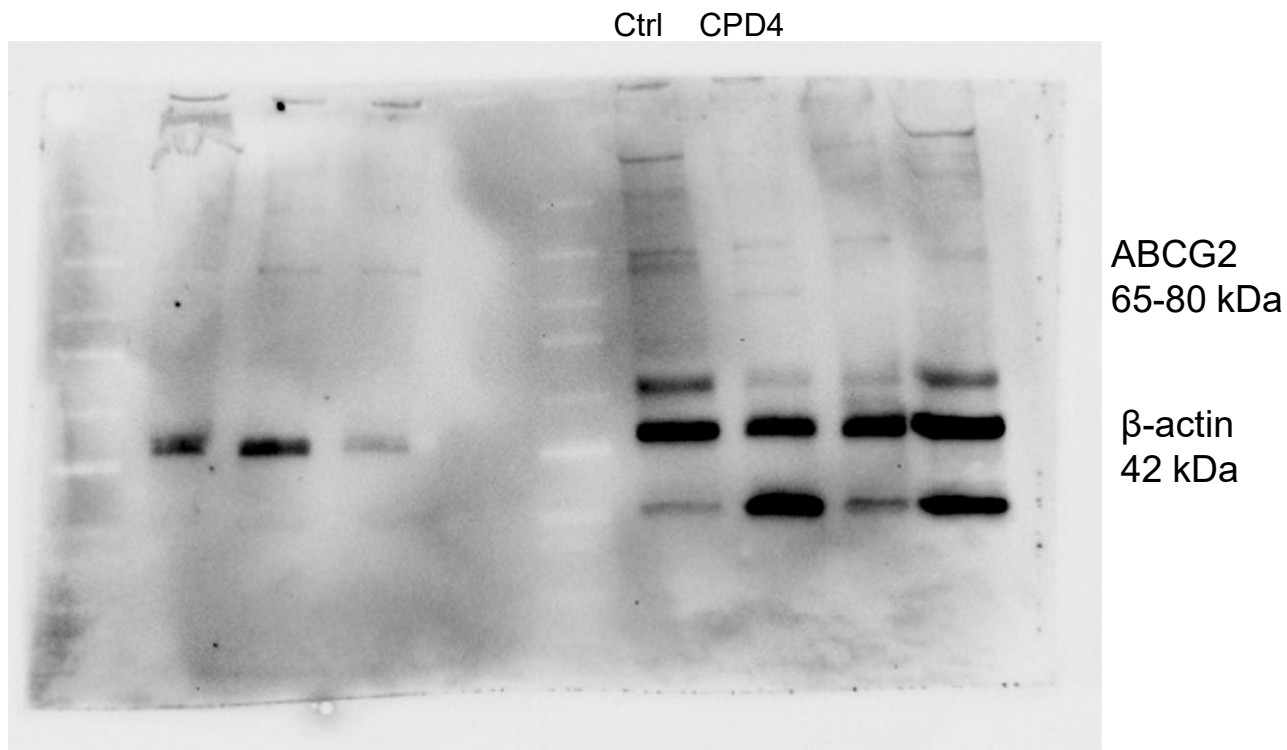
β -actin
42 kDa

SUM159PT-R: ABCG2 (1)

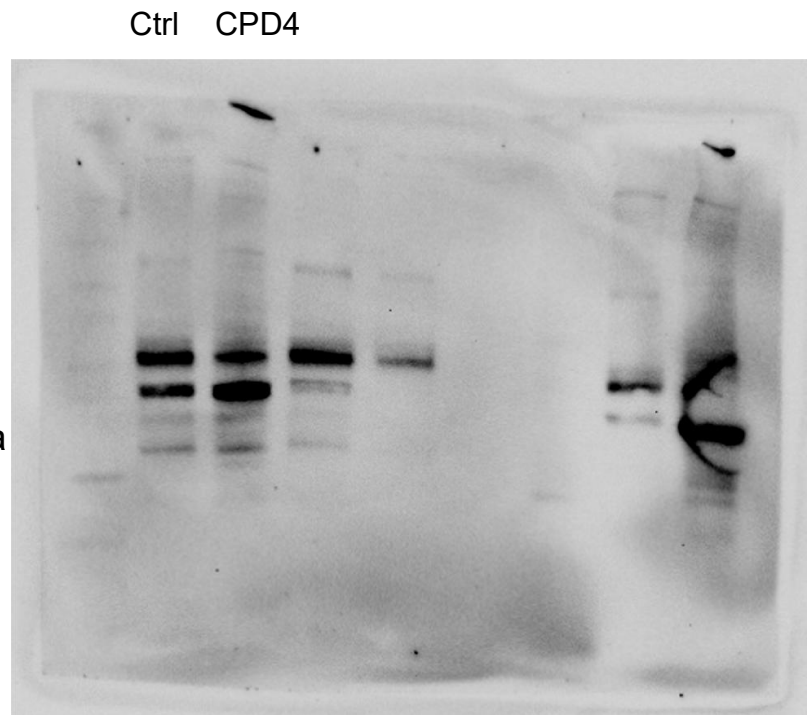
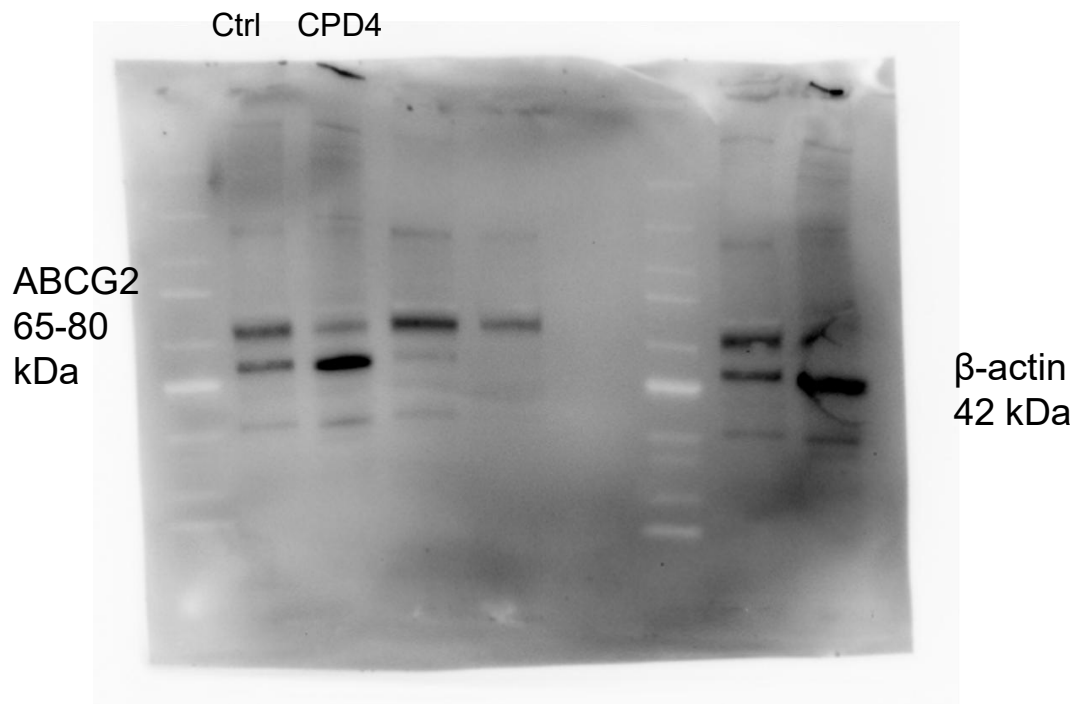
This replicate was cropped in the manuscript (Figure 5C).



SUM159PT-R: ABCG2 (2)

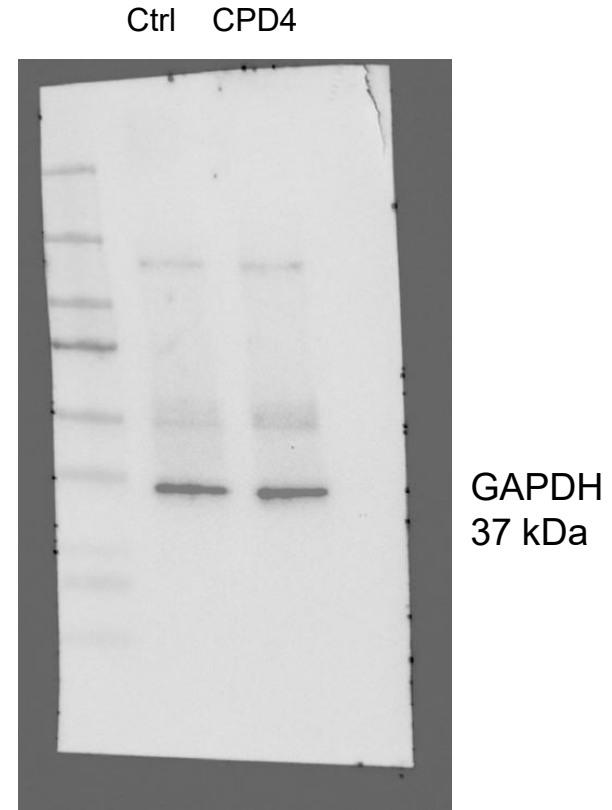
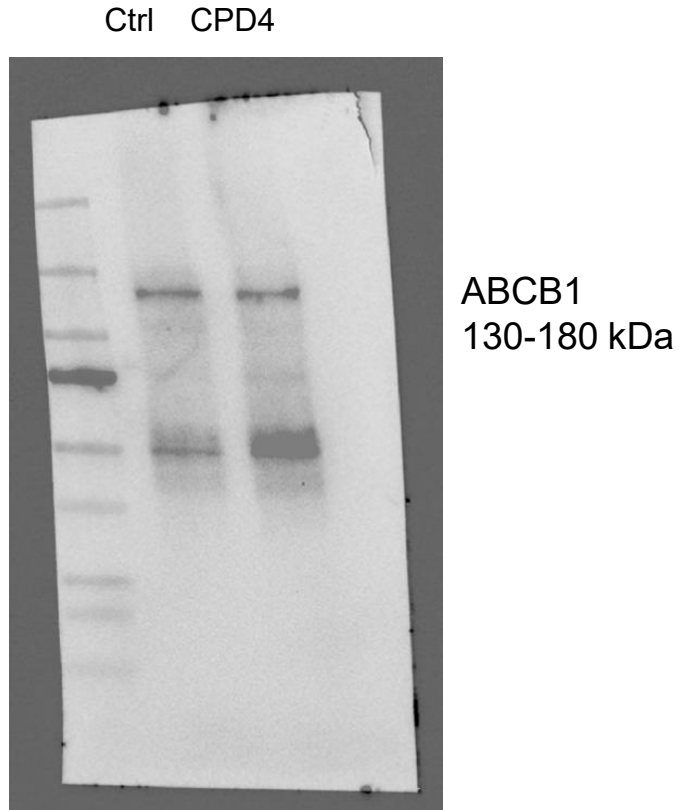


SUM159PT-R: ABCG2 (3)



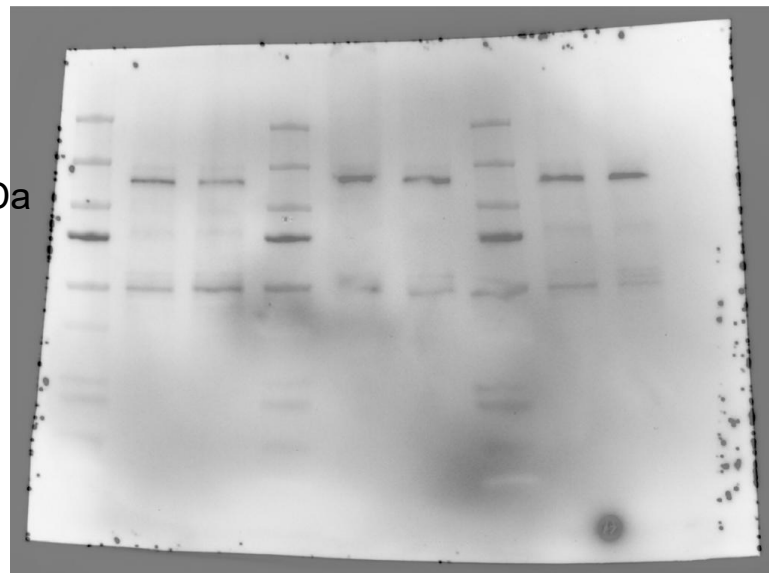
SUM159PT-R: ABCB1 (1)

This replicate was cropped in the manuscript (Supplementary Figure S1).



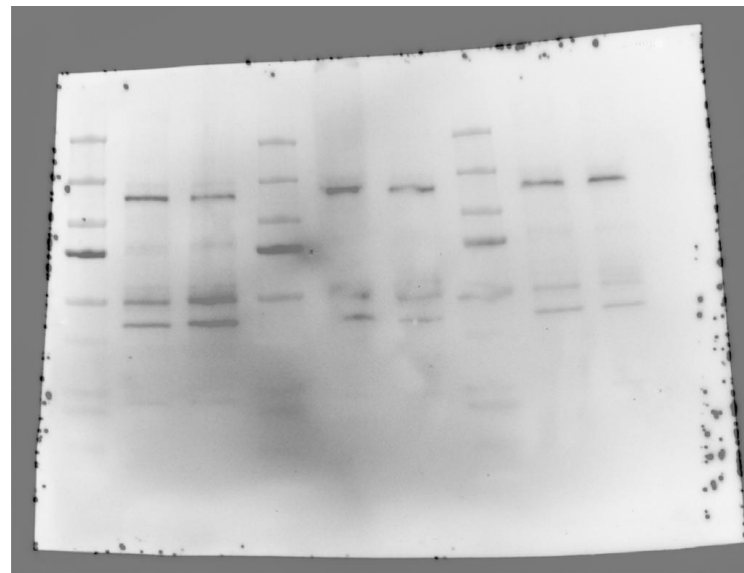
SUM159PT-R: ABCB1 (2)

Ctrl CPD4



ABCB1
130-180 kDa

Ctrl CPD4



β -actin
42 kDa

SUM159PT-R: ABCB1 (3)

