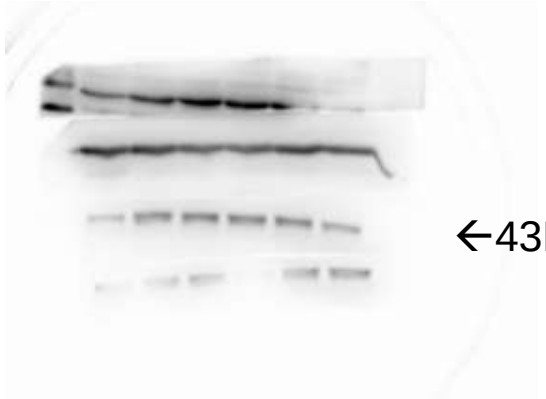
Electronic Supplementary Material (ESI) for Food & Function.

Supplementary material for Western Blotting

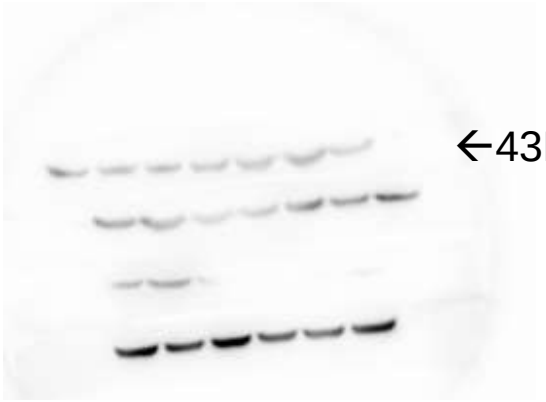
It should be noted that the markers we used (Multicolor Protein Marker, Cowing Biotechnology, Cat NO. CW2841S) could not be developed by eECL western blot kit (Cowing Biotechnology, Cat NO. CW0049S) . Therefore, these markers can only be identified by the human eye and cannot be taken by the ChemiDoc XRS+ imaging system and displayed in the obtained images.

Figure 8b

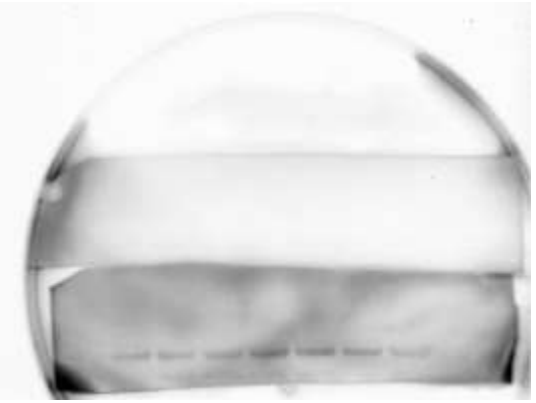
β-Actin



←43KDa

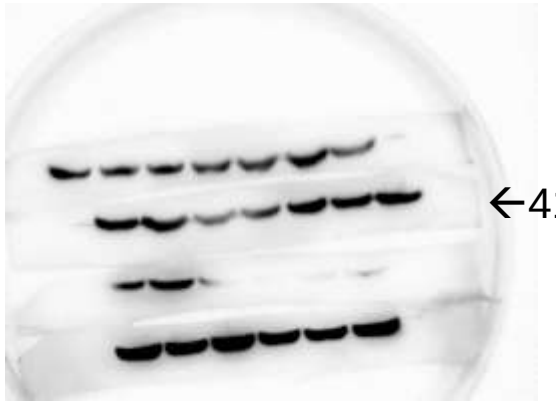


←43KDa

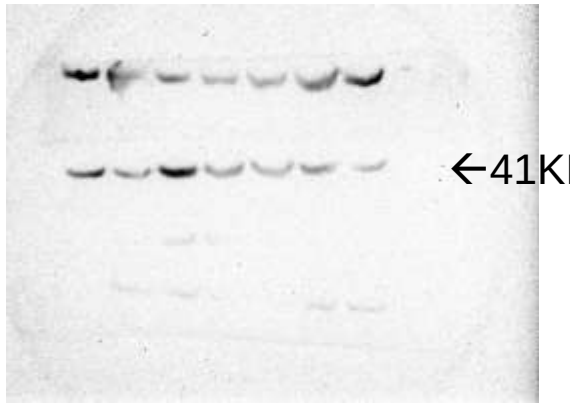


←43KDa

F-Actin



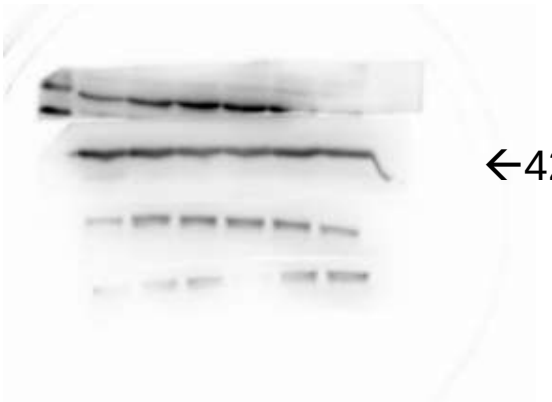
←41KDa



←41KDa

←41KDa

G-Actin



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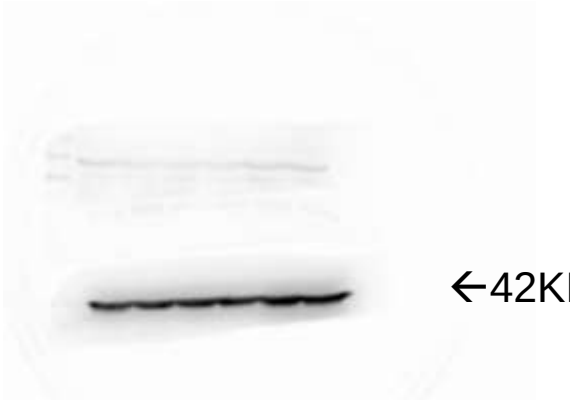

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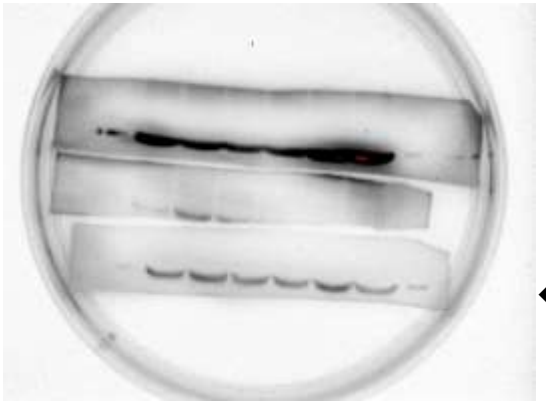
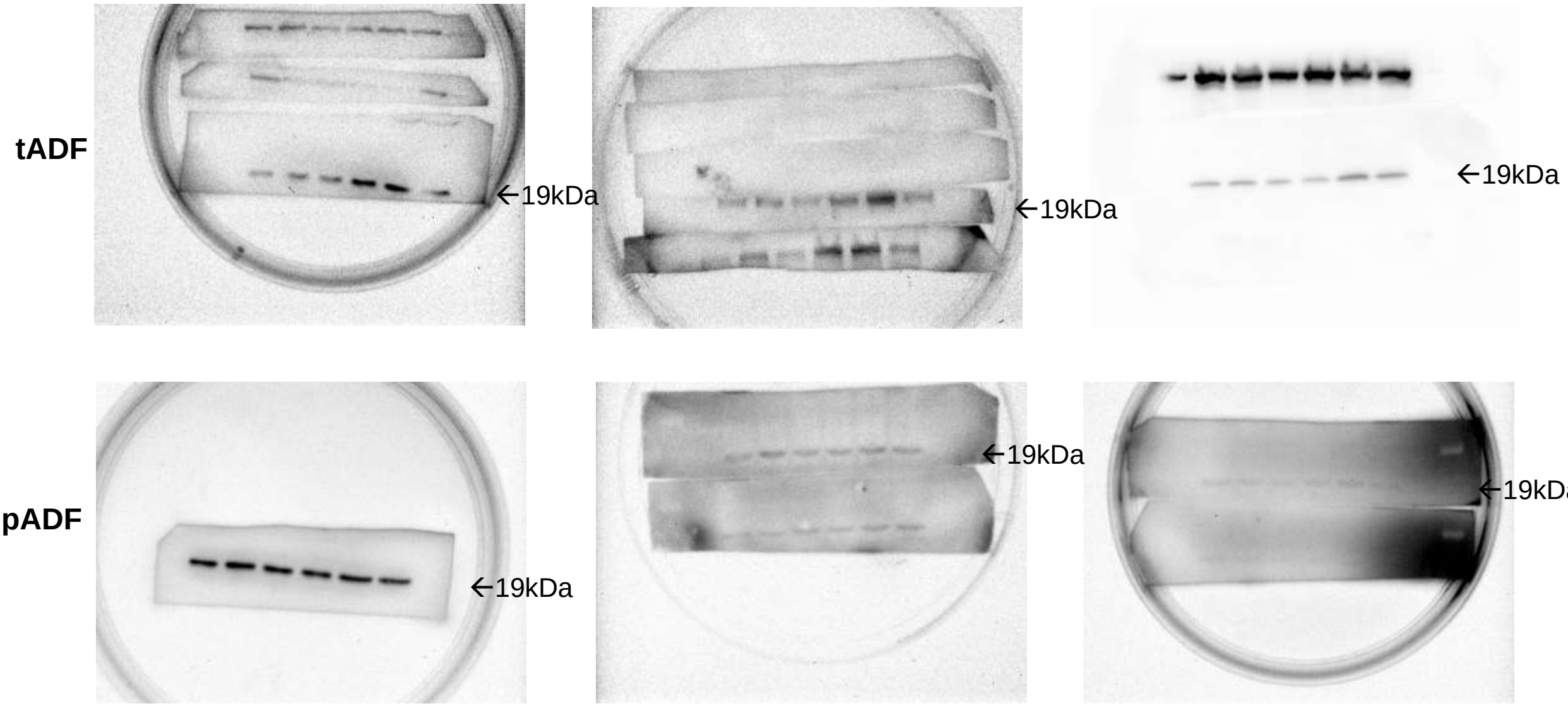
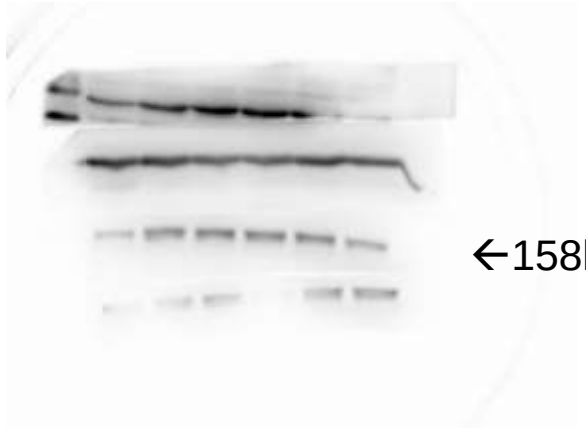


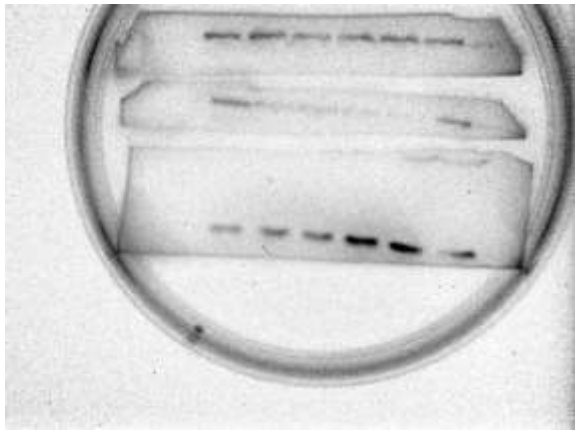
←42KDa

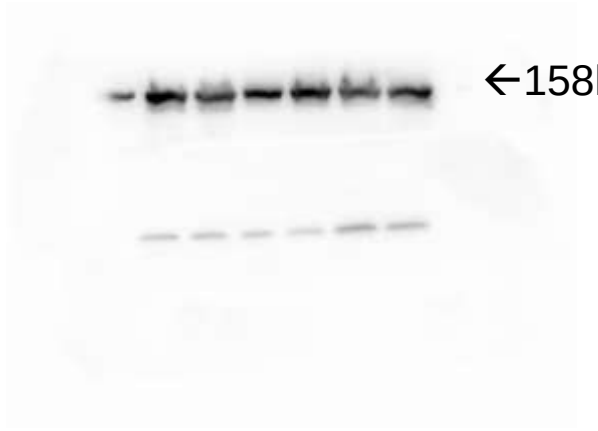
Figure 8d



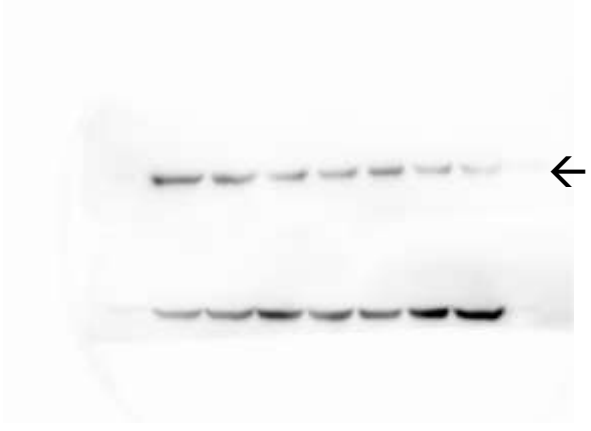
ROCK

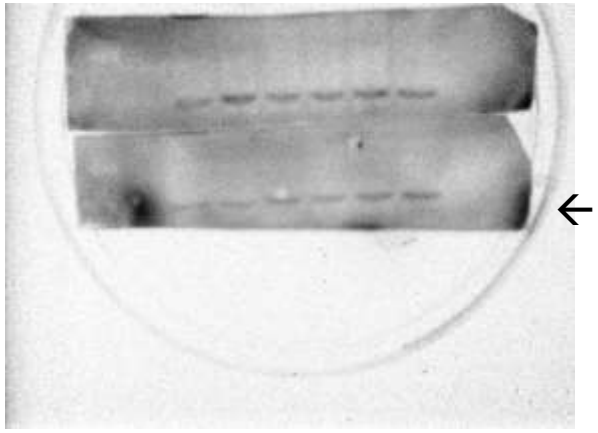


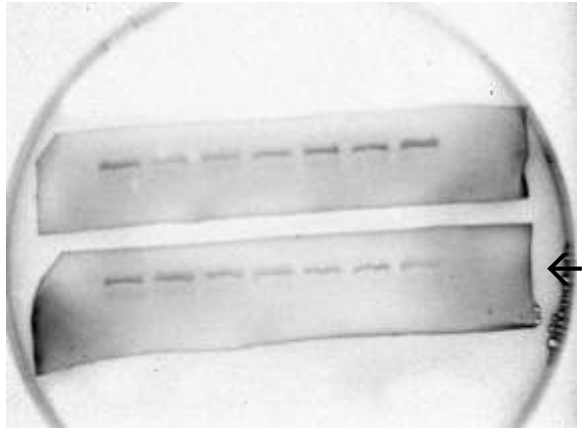




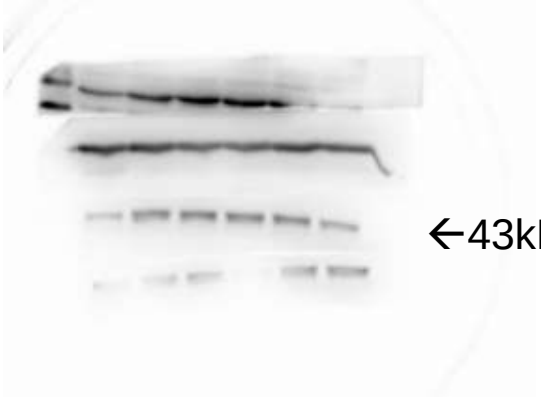
pMLC

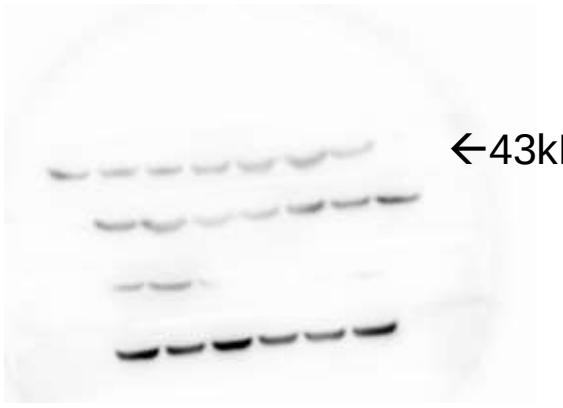






β-Actin





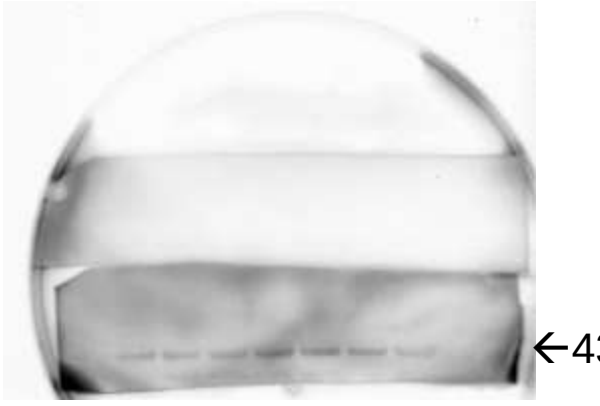
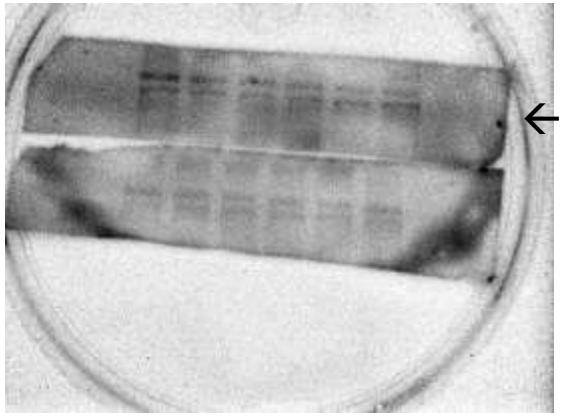
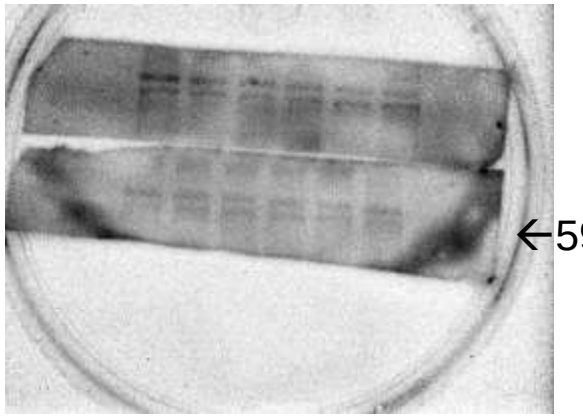
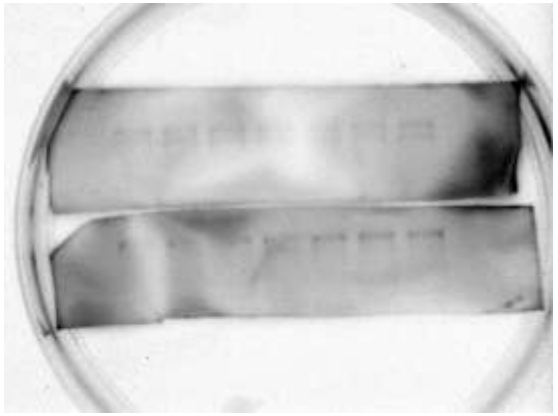


Figure 9b **Whole-cell samples**

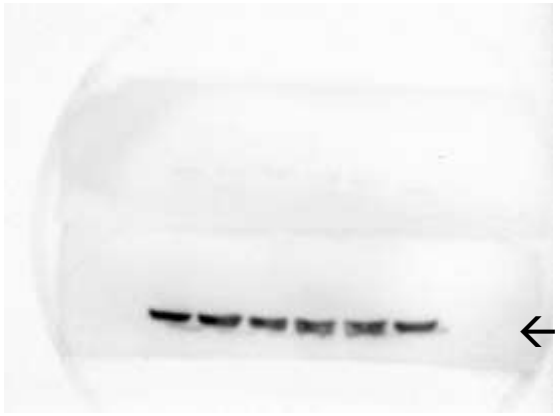
occludin

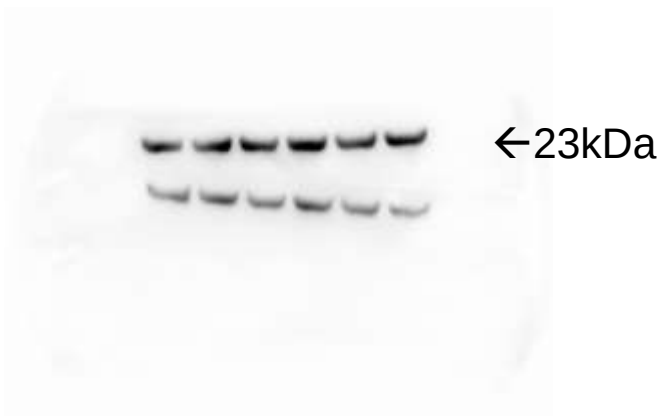




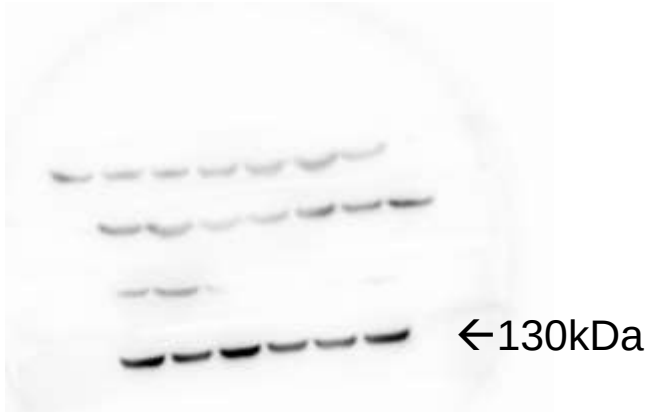


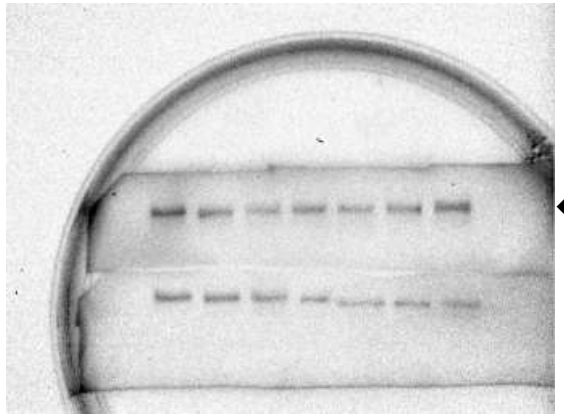
Claudin-5

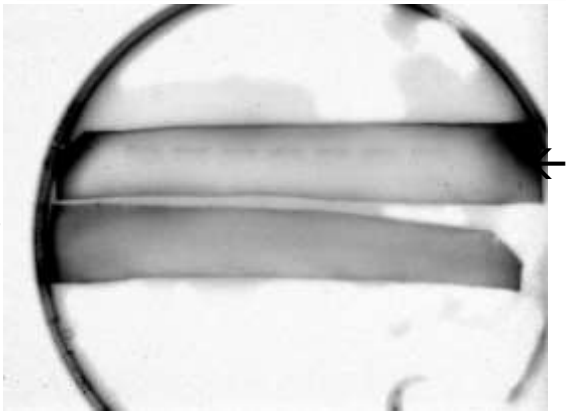




VE-Cadherin

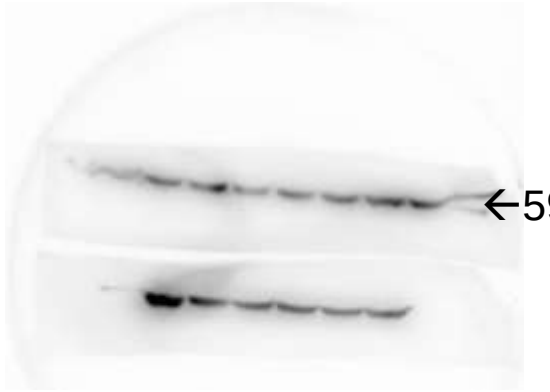


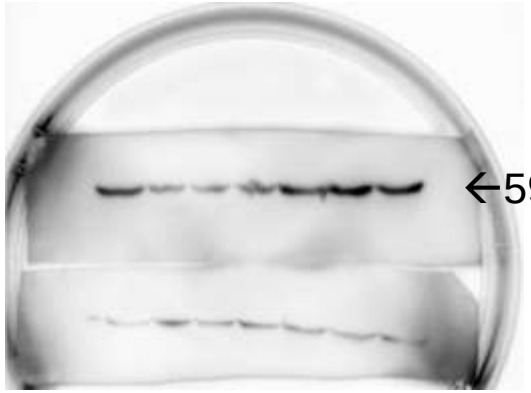




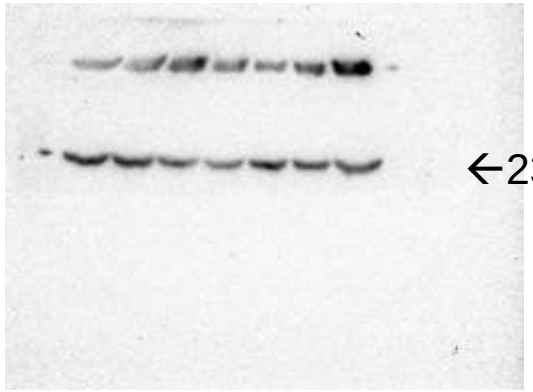
Membrane samples

occludin

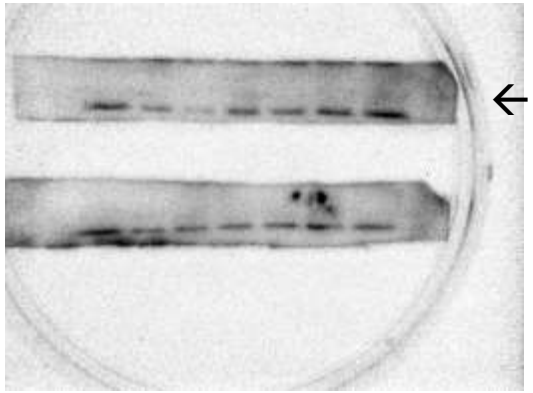




Claudin-5

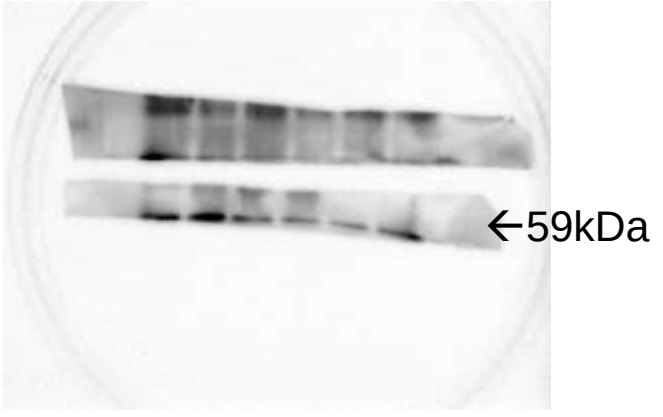


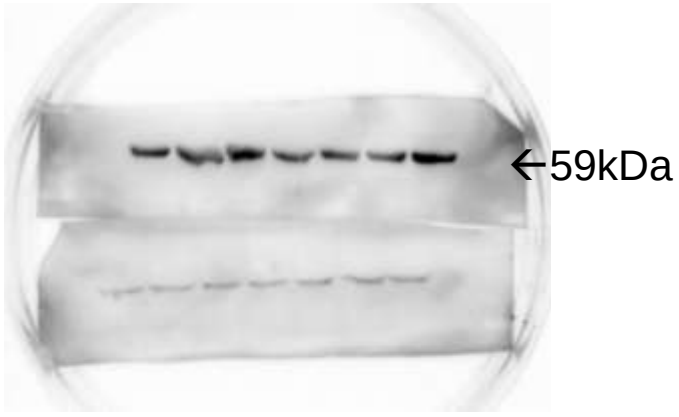
VE-Cadherin

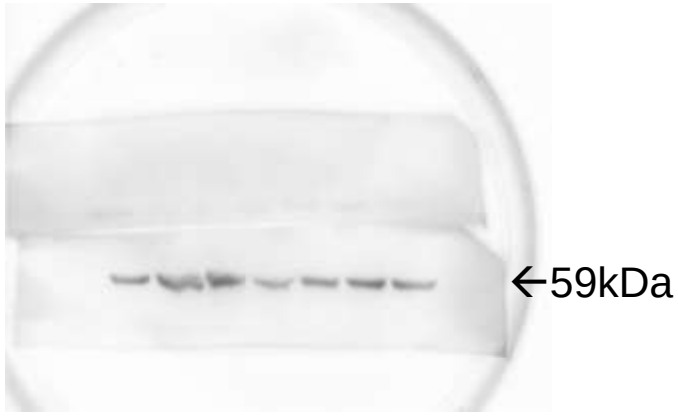


ACF samples

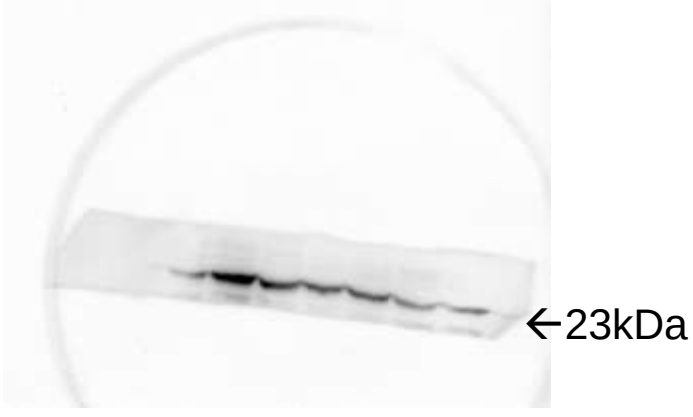
occludin

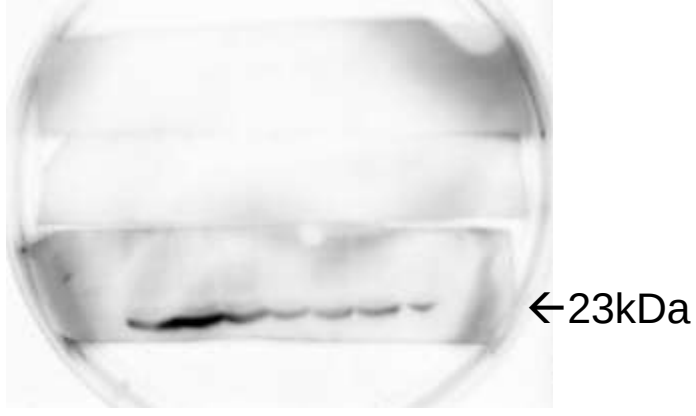


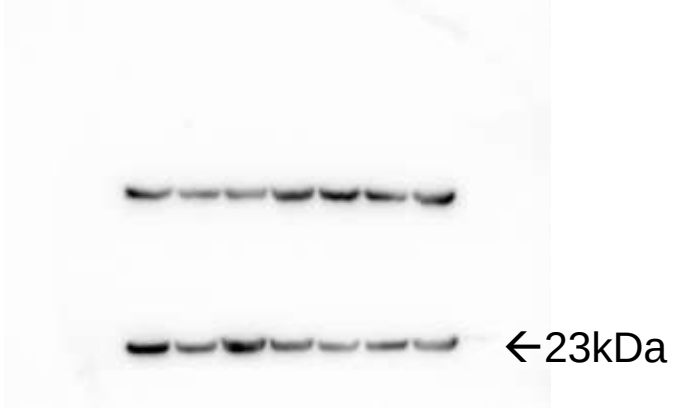




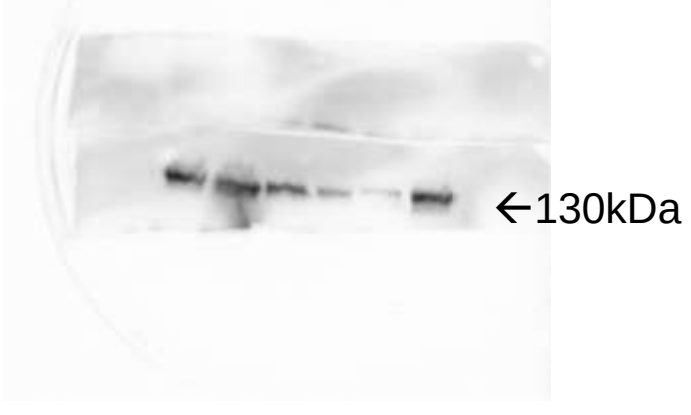
Claudin-5

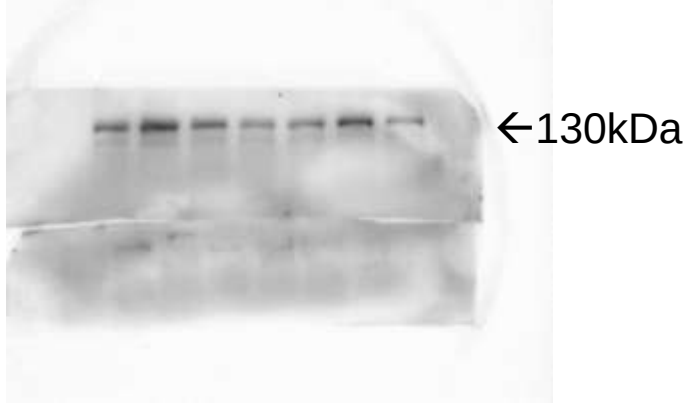


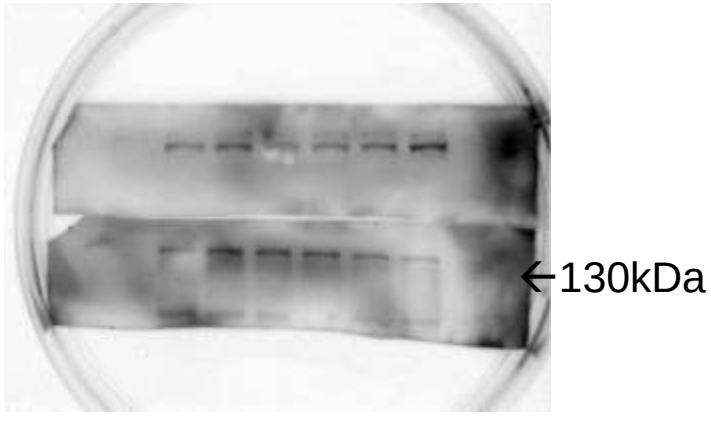




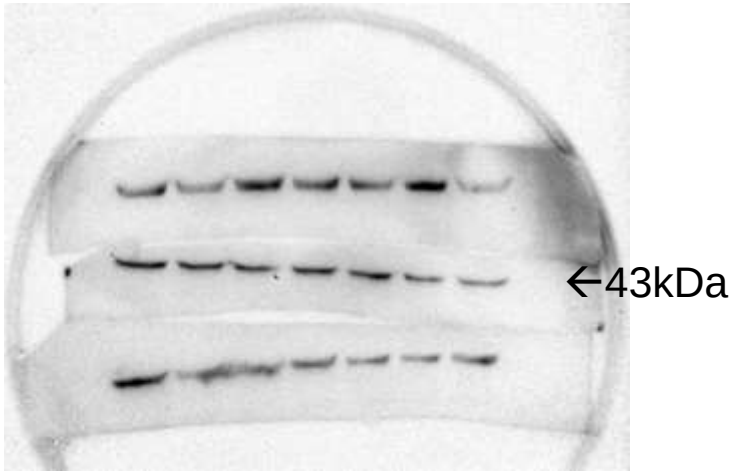
VE-Cadherin

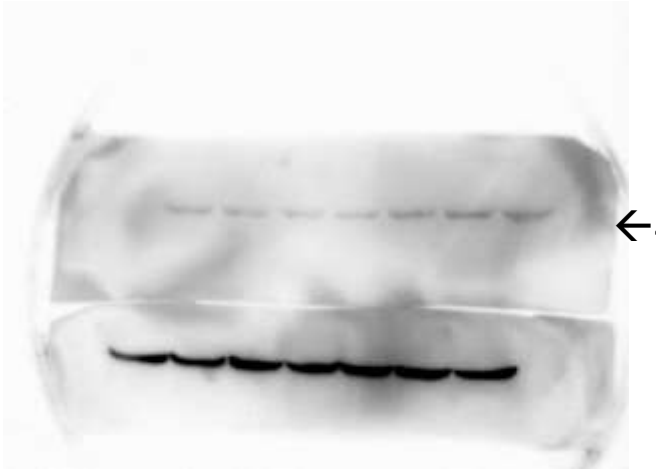


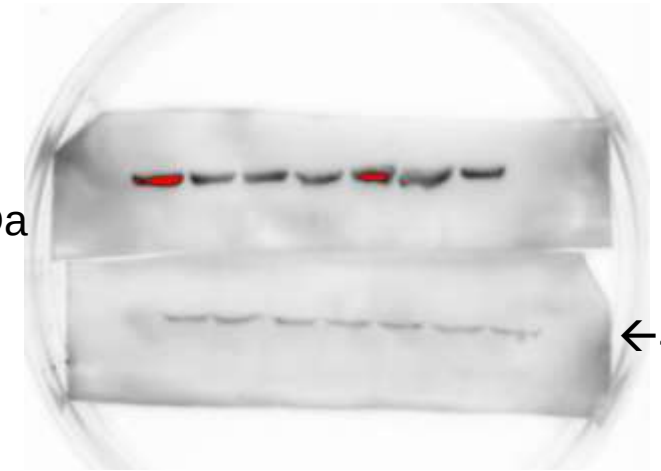




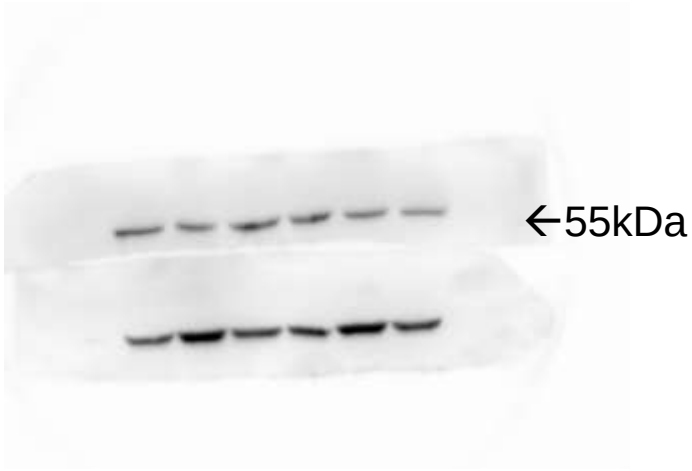
β-Actin







β-Tubulin



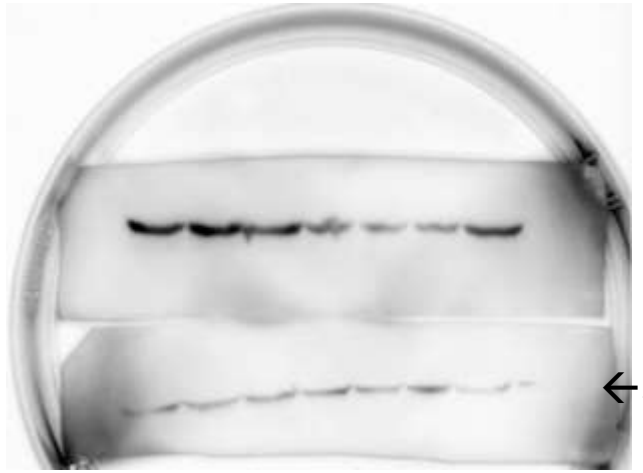
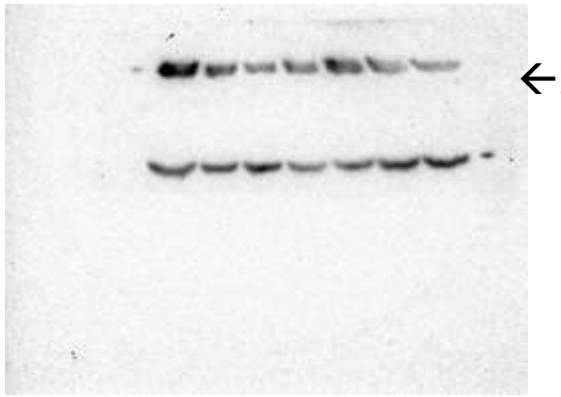
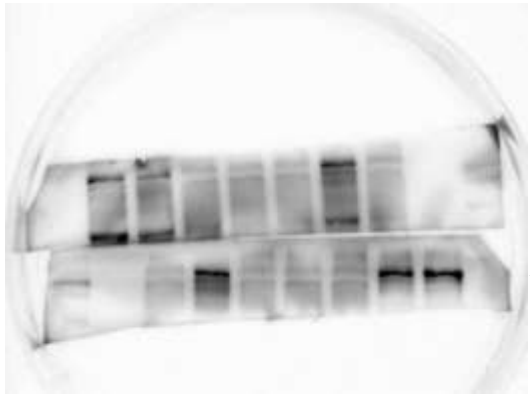


Figure 10a

ZO-1



←230kDa



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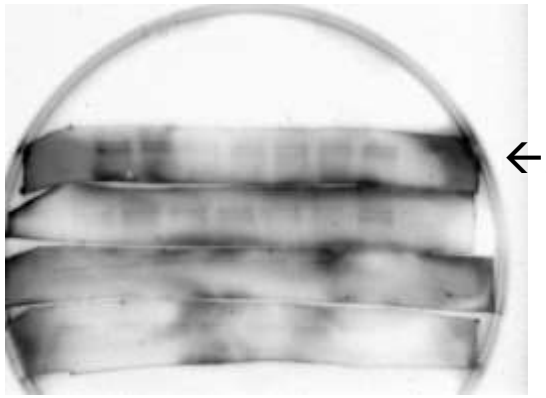
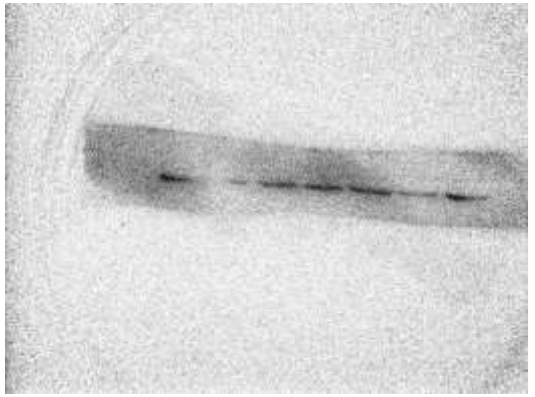
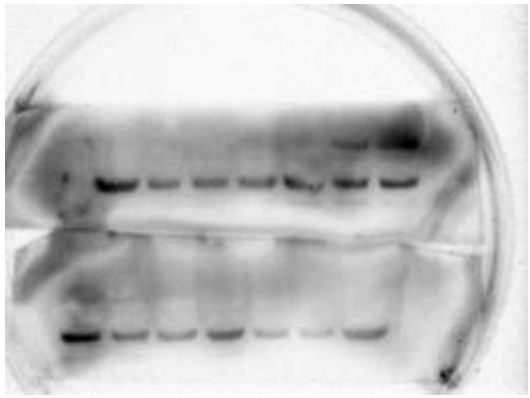


←230kDa

occludin



←59kDa



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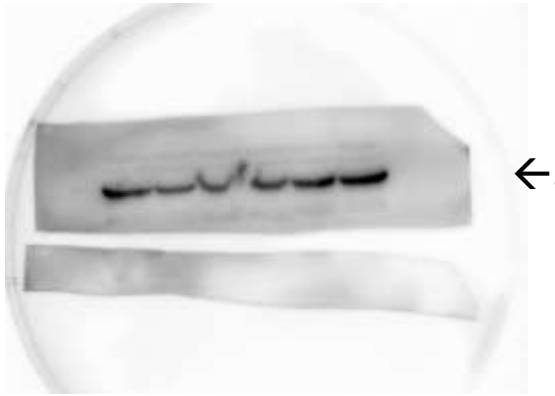
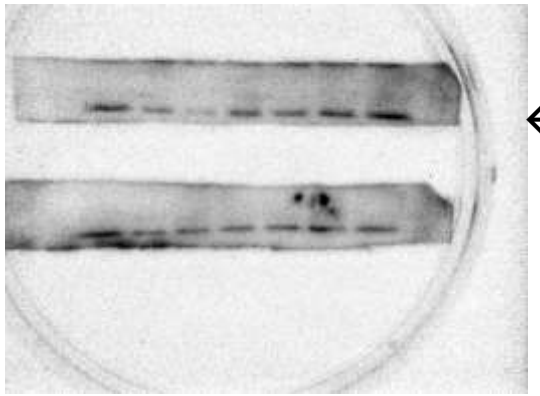
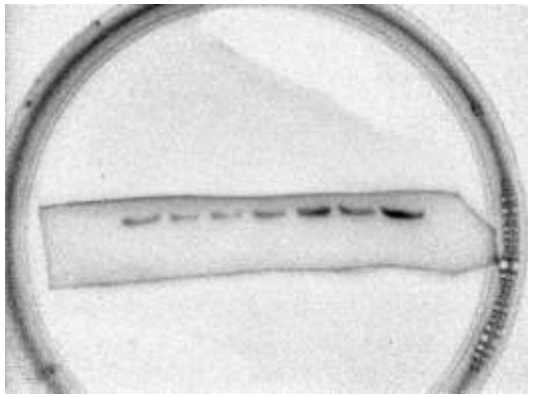


←59kDa

Claudin-5



←23kDa



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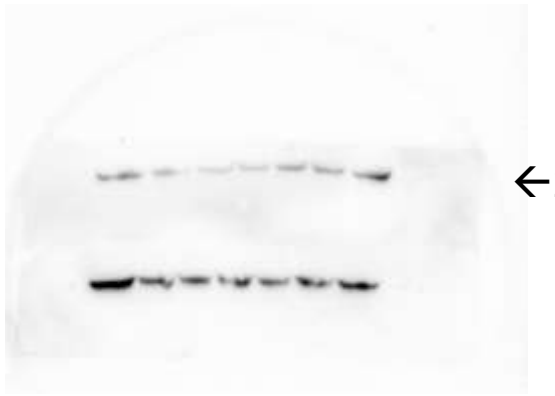
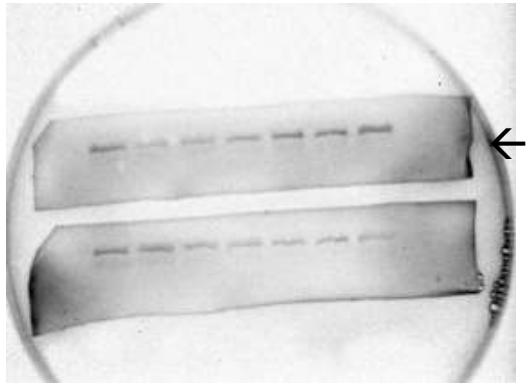
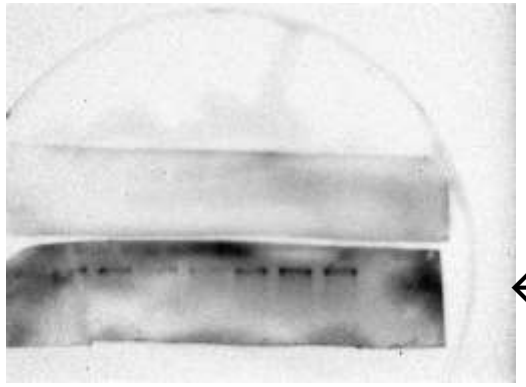


←23kDa

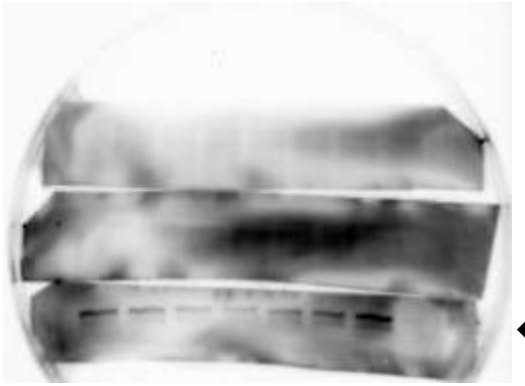
BM-laminin



←158kDa



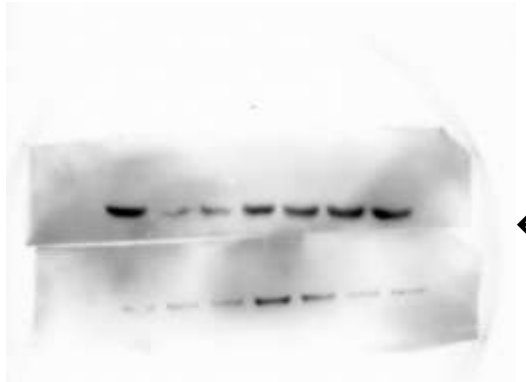
←158kDa



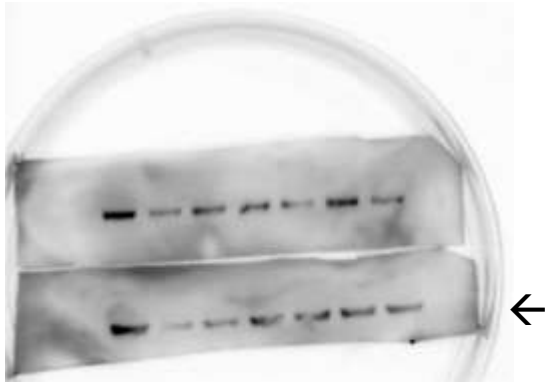
←158kDa

VE-Cadherin

←130kDa



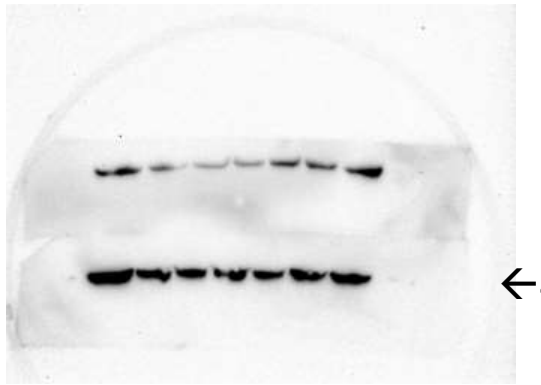
← 130kDa



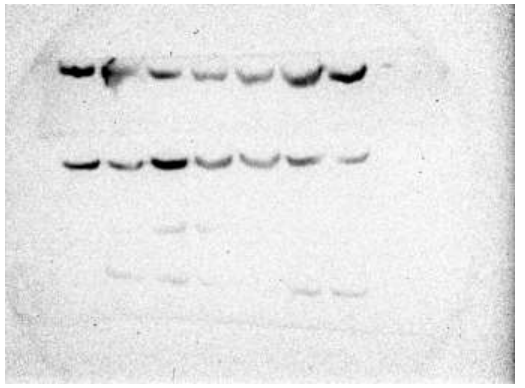
←130kDa

β-Actin

←43kDa



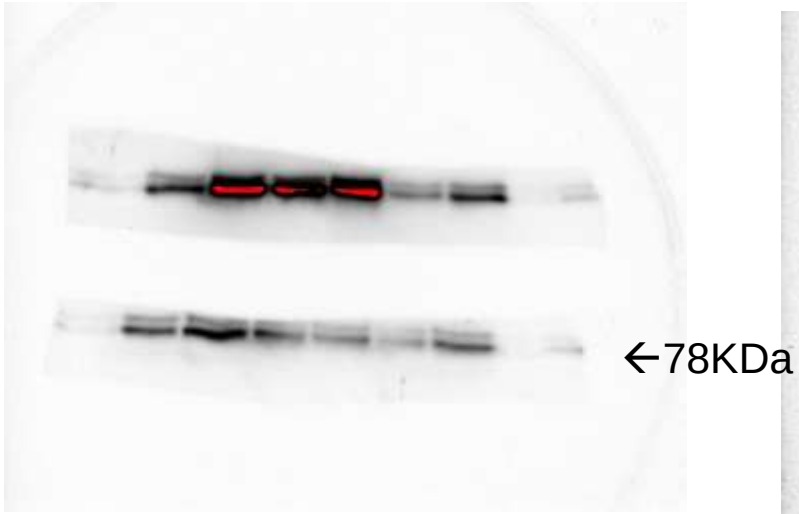
←43kDa

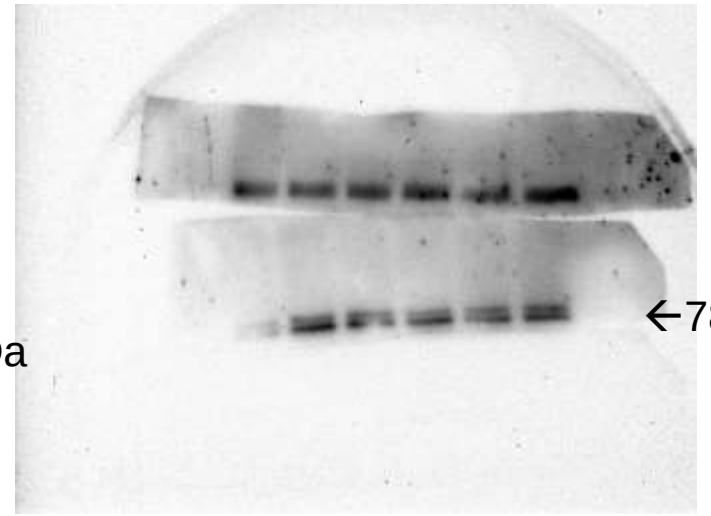


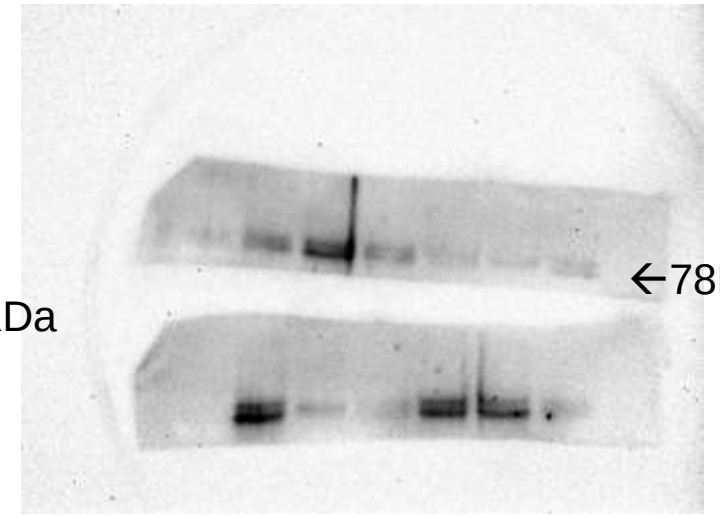
←43kDa

Figure 10g

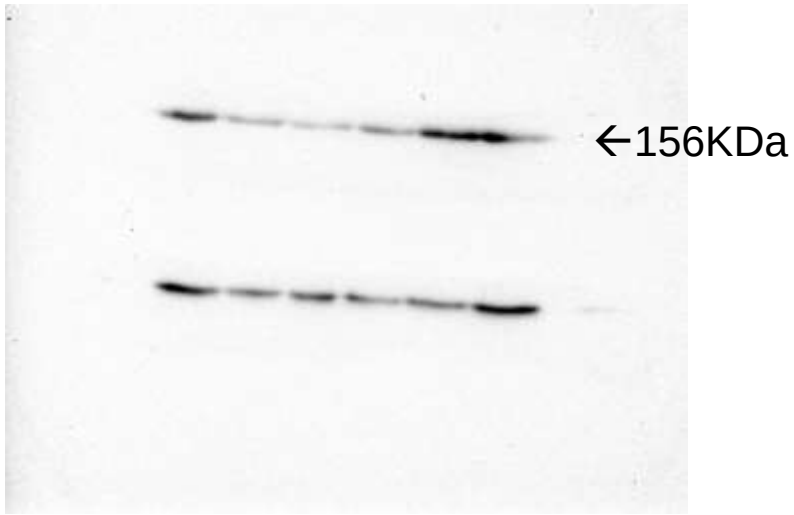
MMP-9

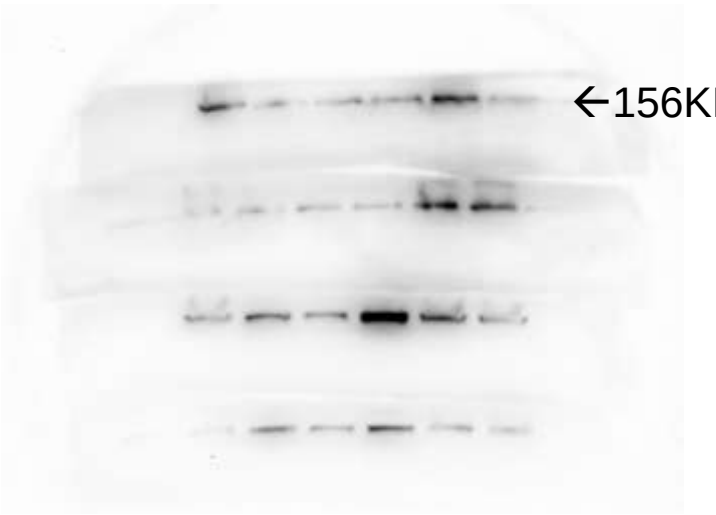


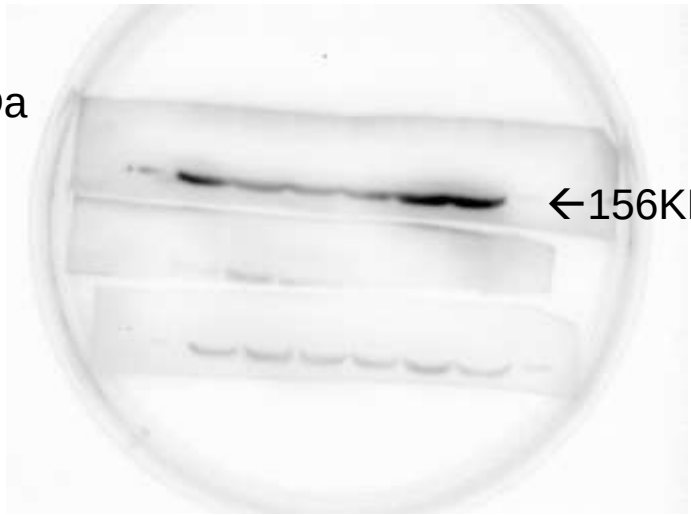




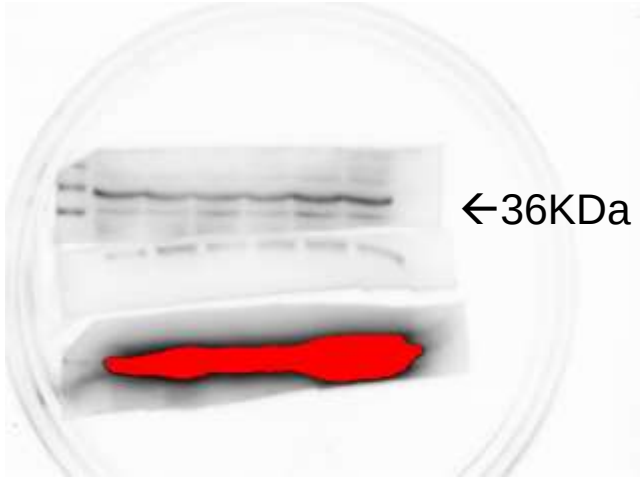
c-Met

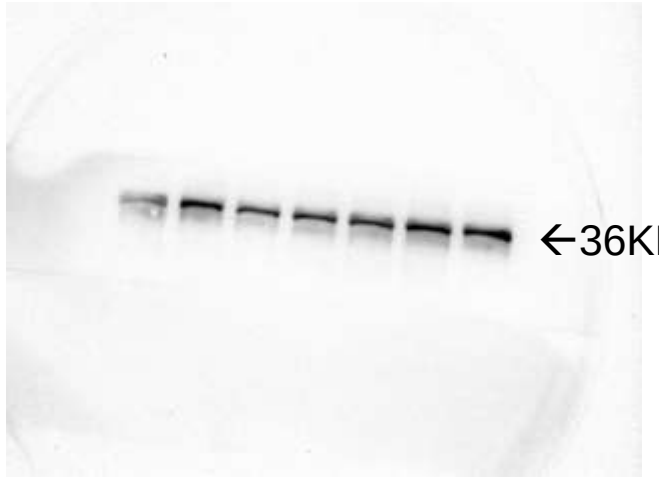


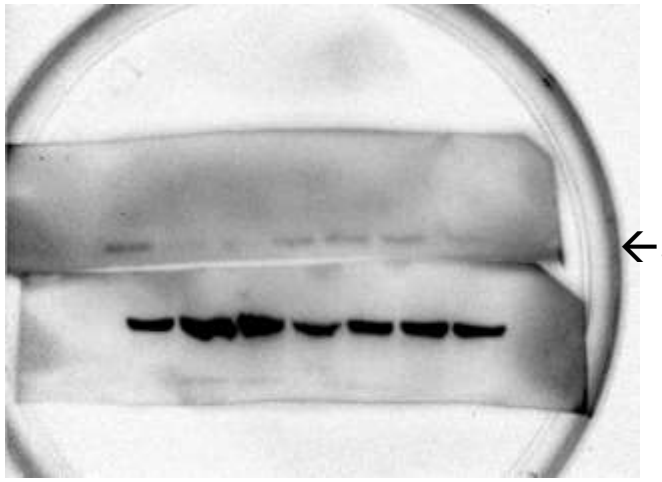




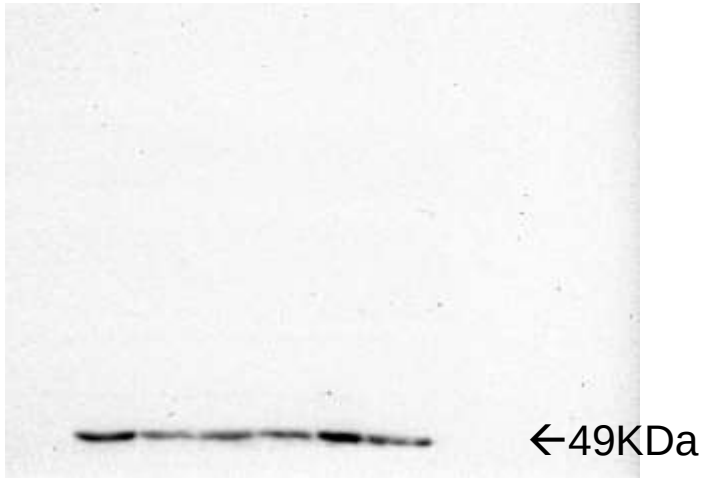
c-Jun

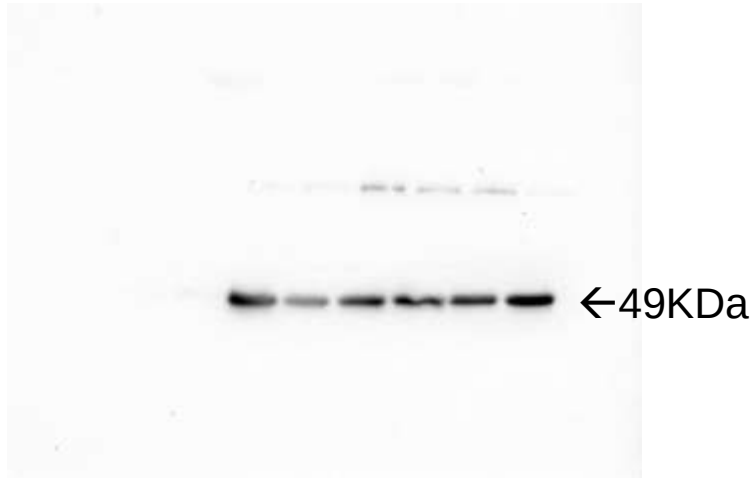


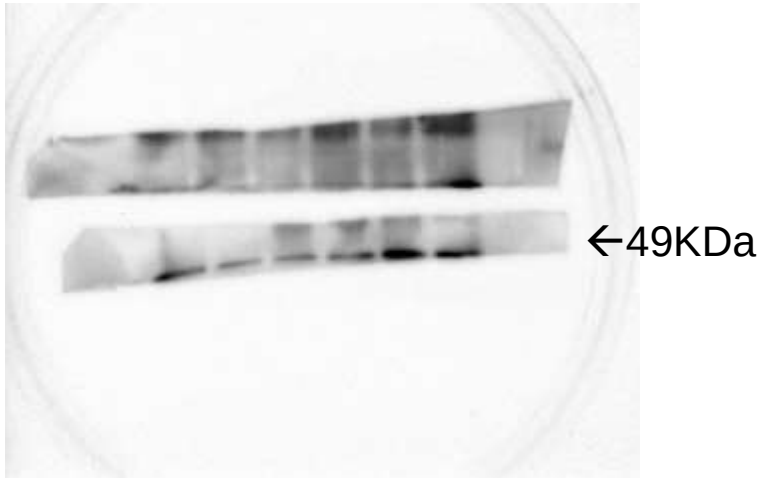




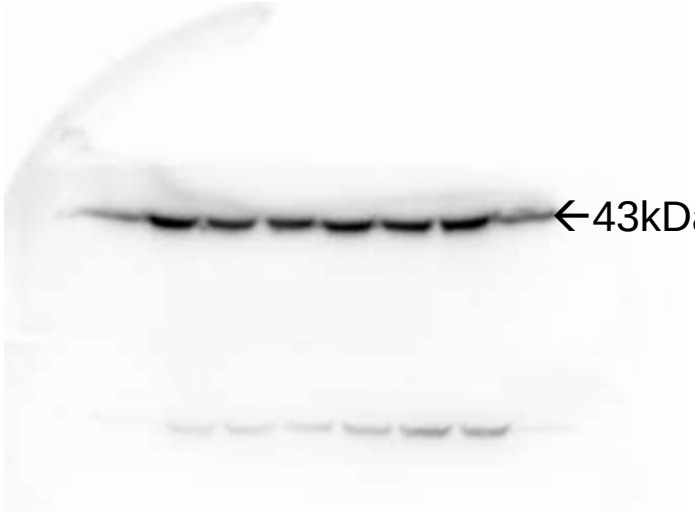
c-Myc

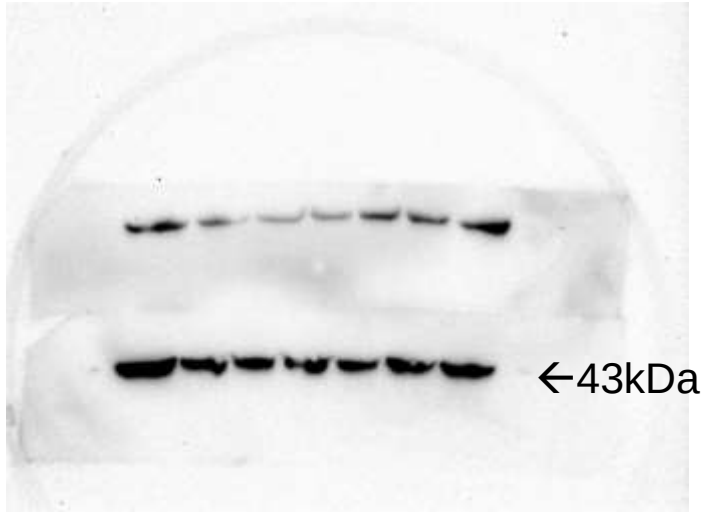


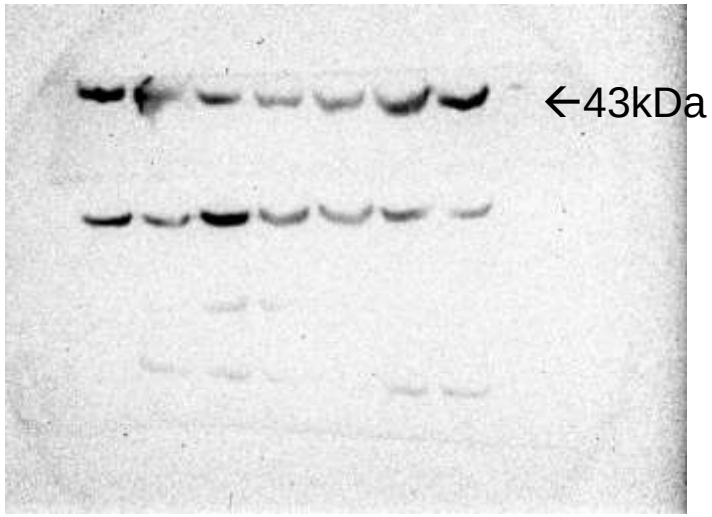




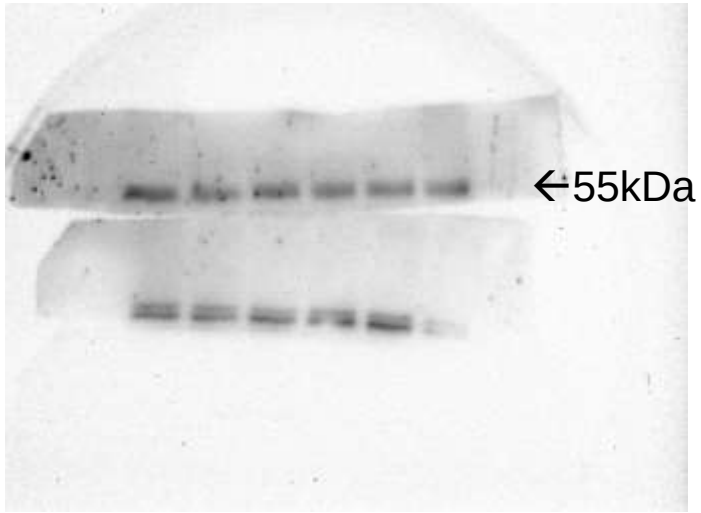
β-Actin

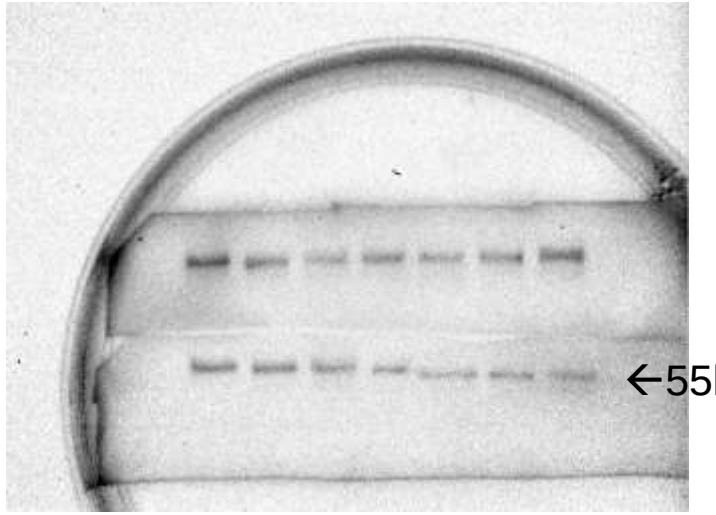






β-Tubulin





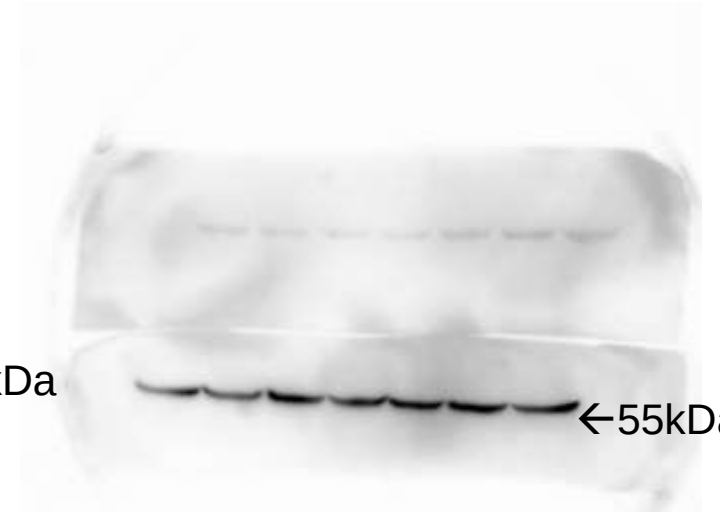


Figure 5c

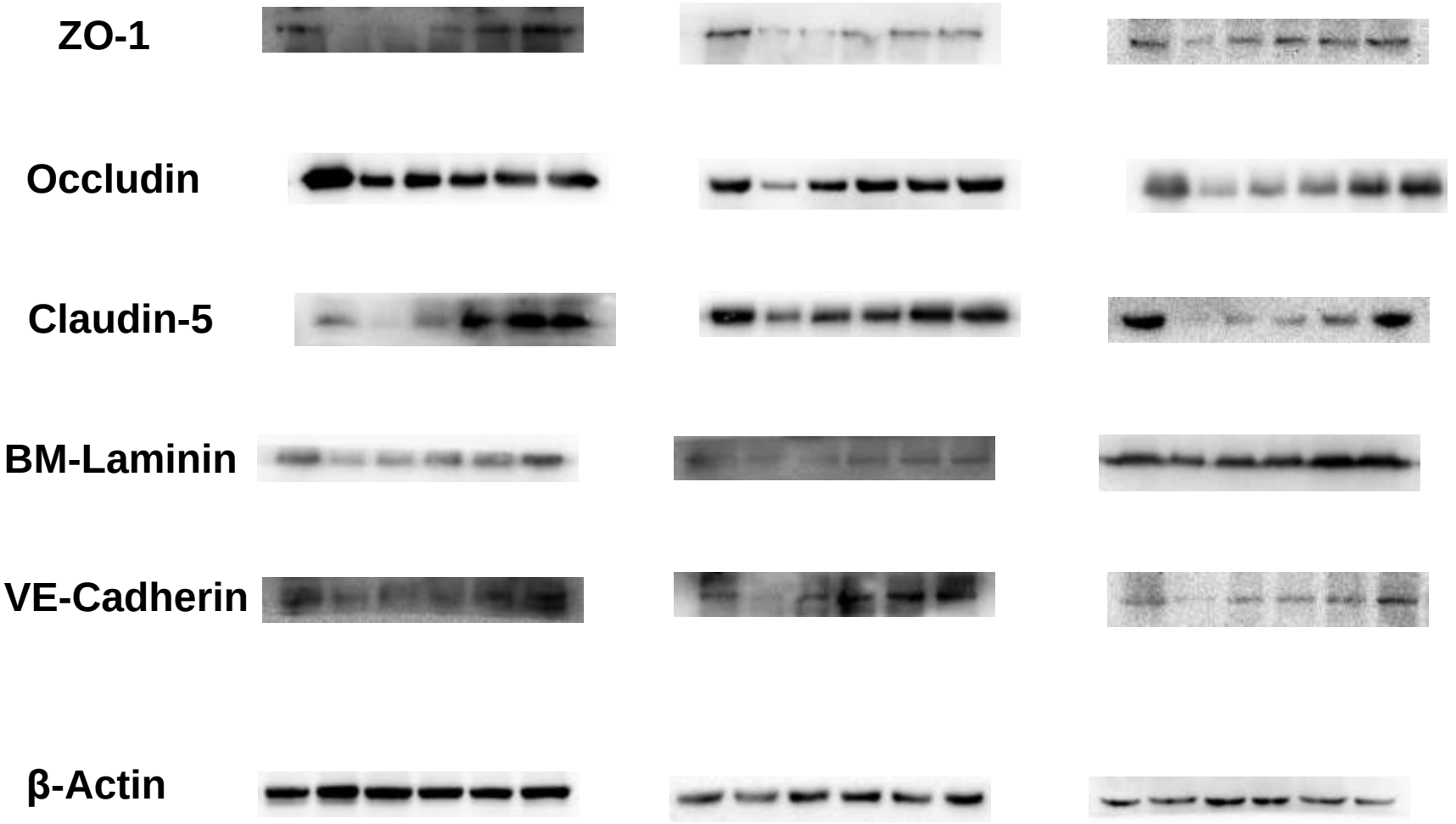


Figure 11a

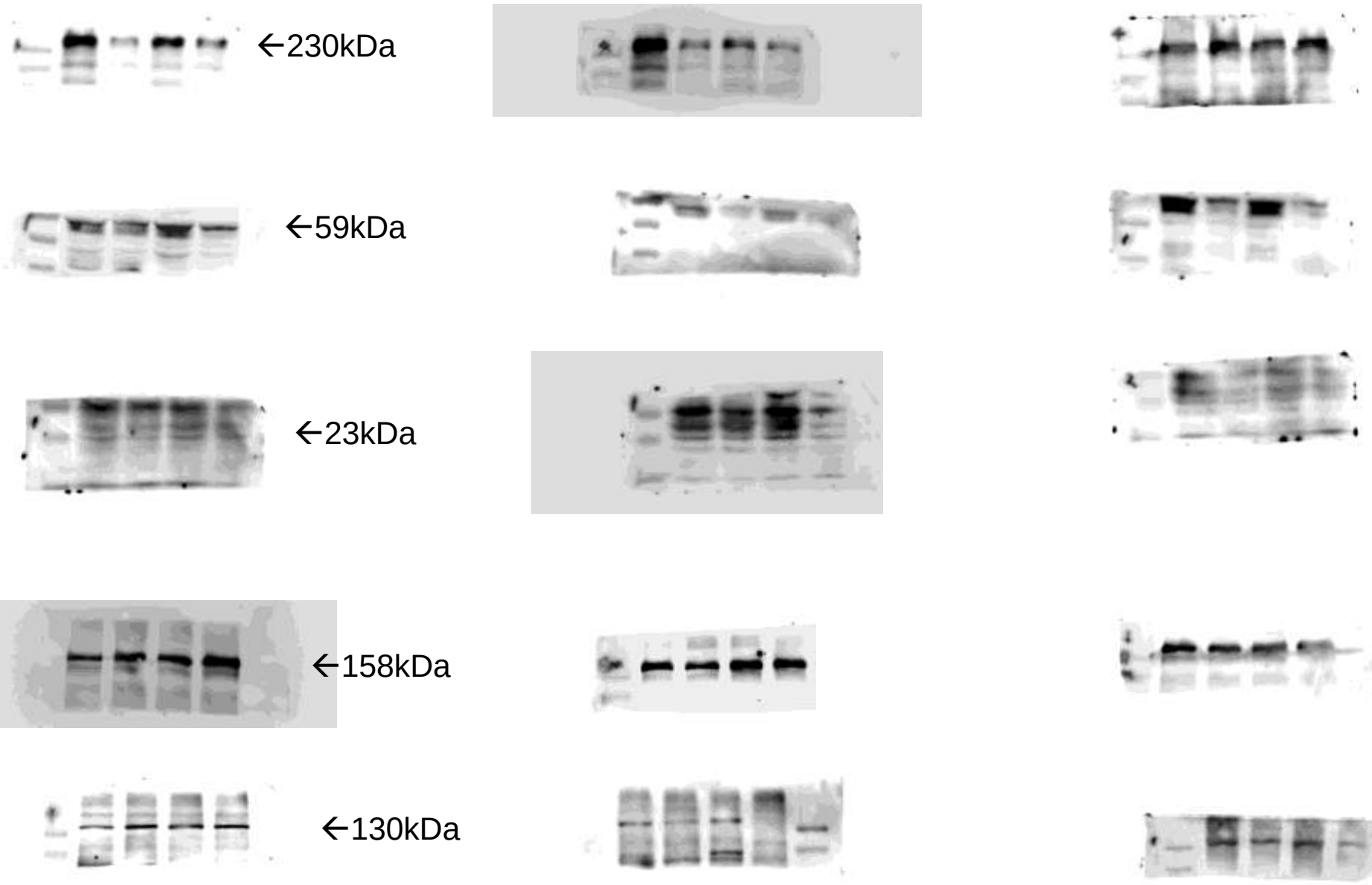

ZO-1
←230kDa
Occludin
←59kDa
Claudin-5
←23kDa
BM-Laminin
←158kDa
VE-Cadherin
←130kDa

Figure 11c