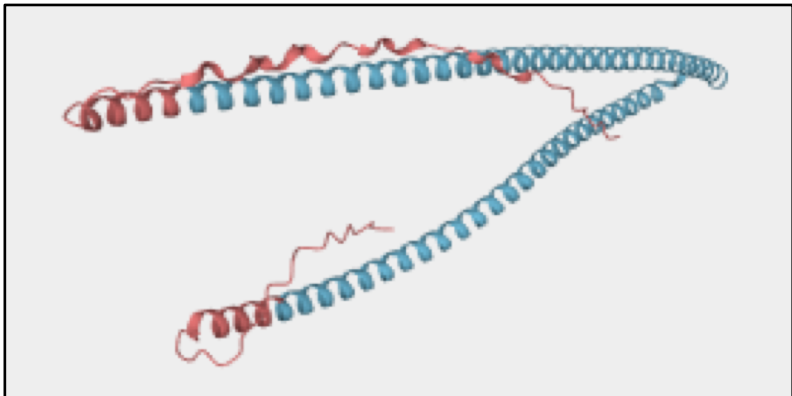
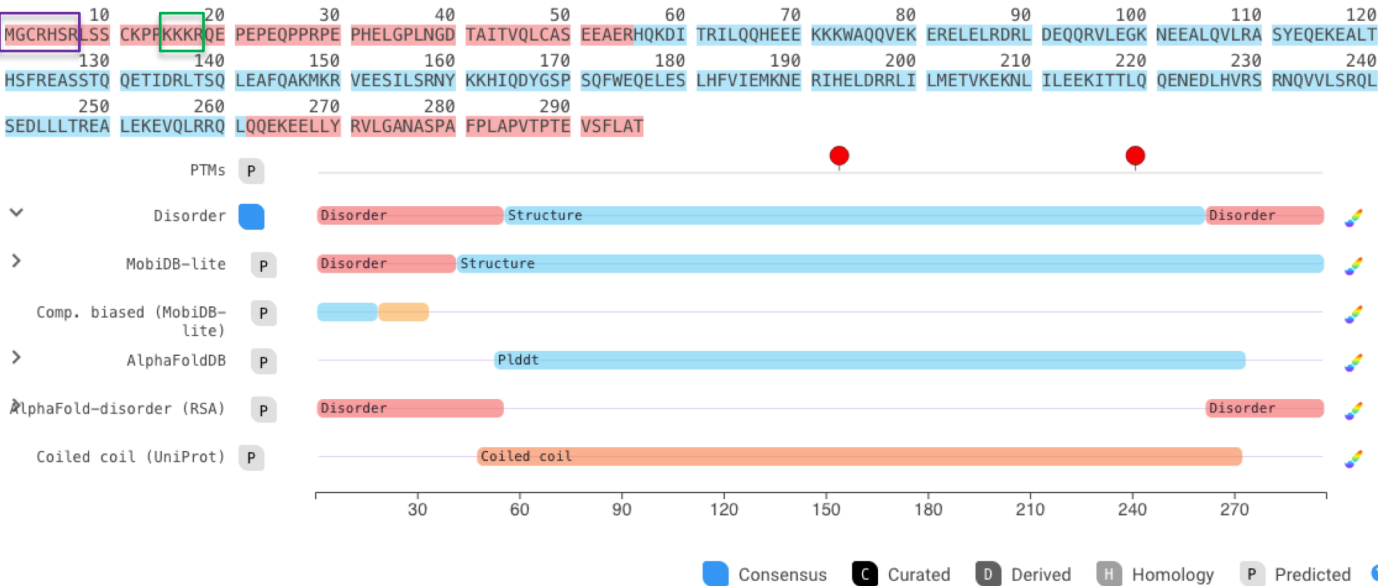


Figure S1

S1A



AlphaFold structure



Annotation source **Priority consensus**

Coverage **30.4%**

Disorder residues Intrinsically disordered residues - Predicted Predicted annotation by a sequence-based method

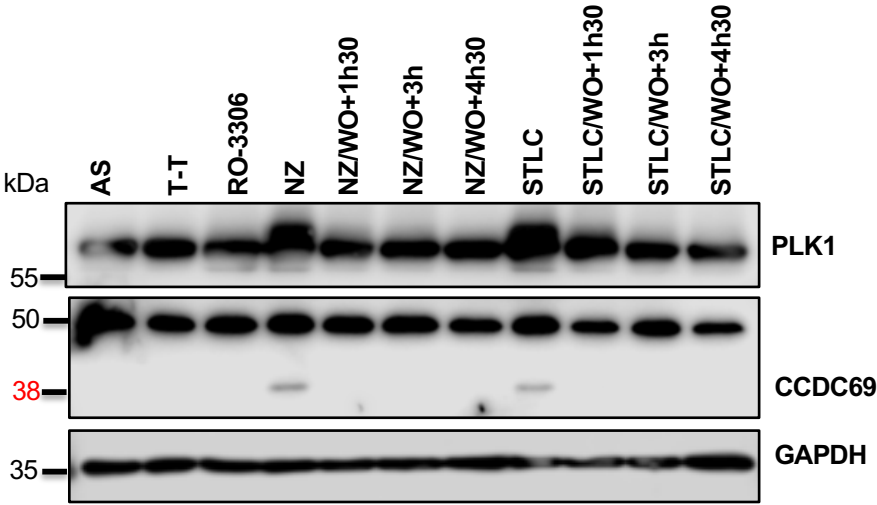
Coverage **69.6%**

Start **56** - End **261**

Structure Structured residues - Predicted Predicted annotation by a sequence-based method

Figure S2

S2A



S2B

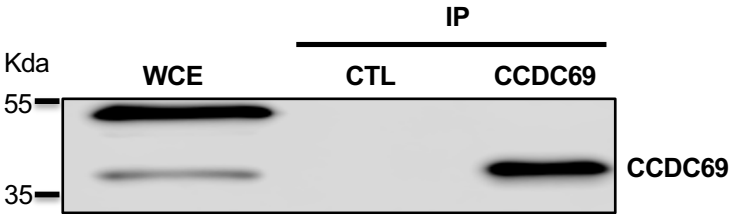




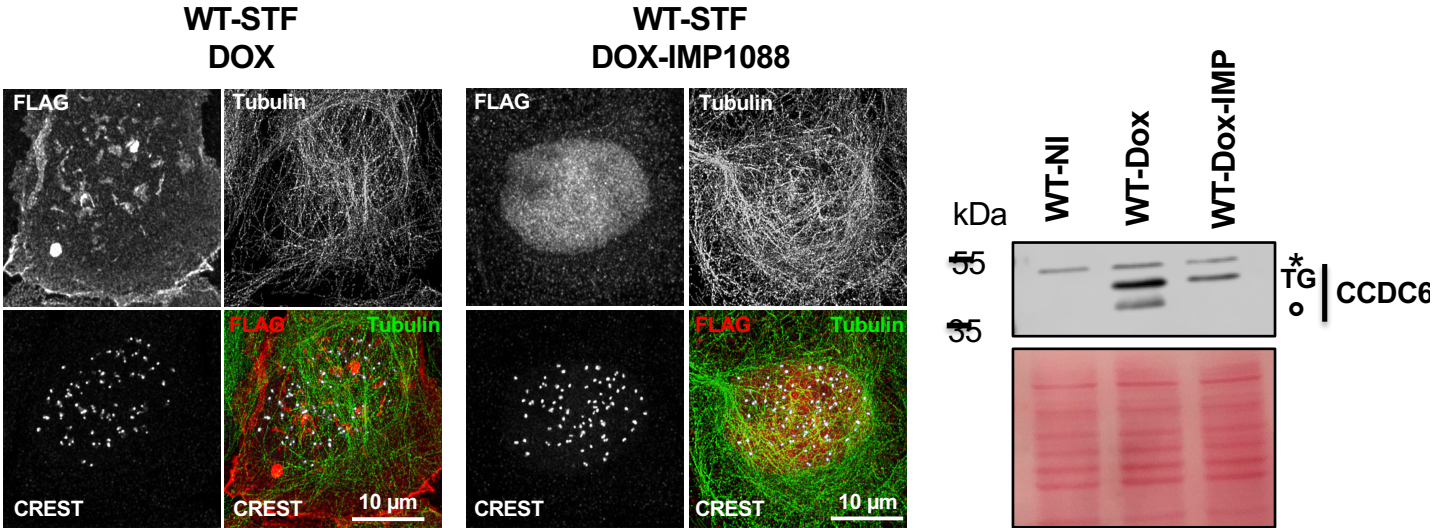
Figure S3

S3A

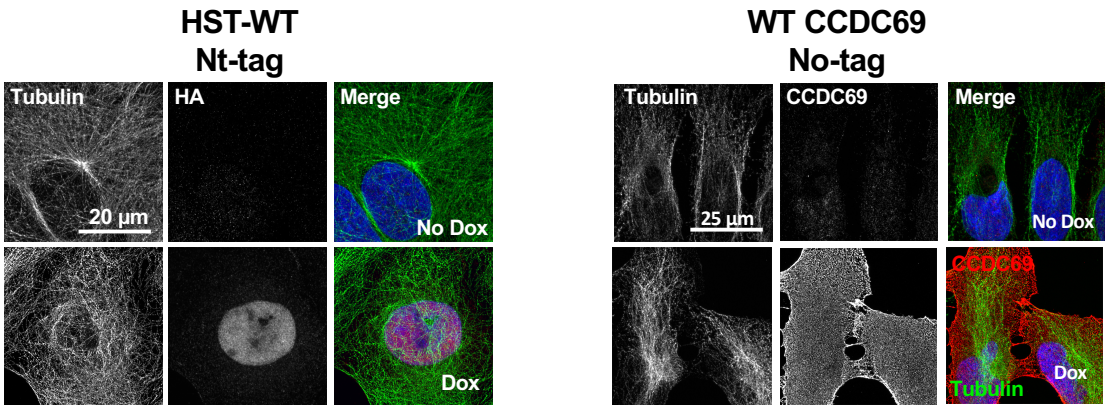
|           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Human     | 1 | M | G | C | R | H | S | R | L | S | S | C | K | P | P | K | K | K |
| Mouse     | 1 | M | G | C | R | Q | S | R | H | S | R | G | K | R | A | - | - | - |
| Xenopus   | 1 | M | G | S | K | T | S | K | M | C | C | P | Q | L | R | K | K | K |
| Zebrafish | 1 | M | G | C | H | N | S | K | V | C | G | Q | V | S | K | K | K | K |

Conserved myristoylation site MGXXXSR/K  
Human G2A Mutant MACRHSR

S3B



S3C



S3D

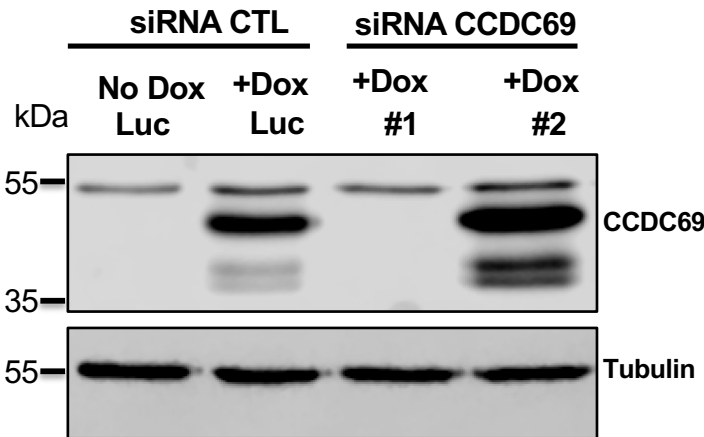
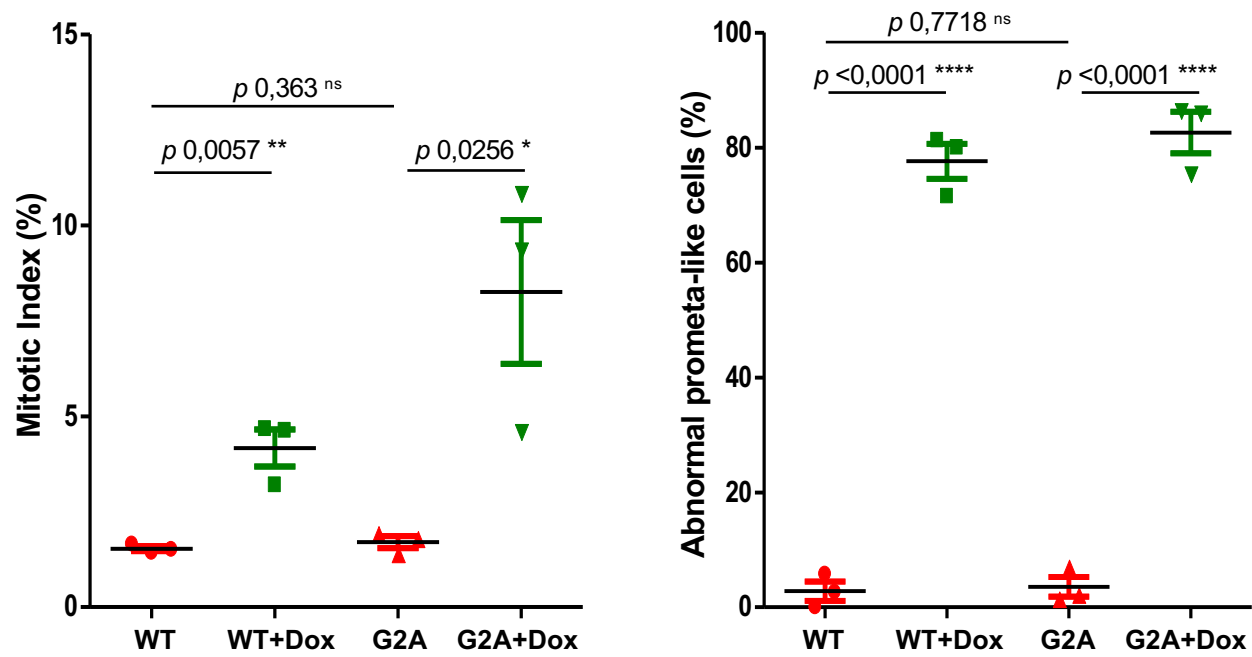
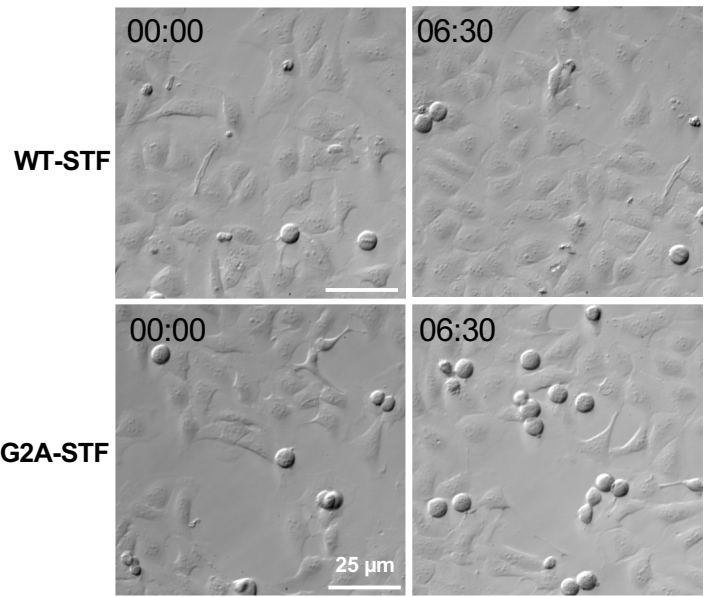


Figure S4

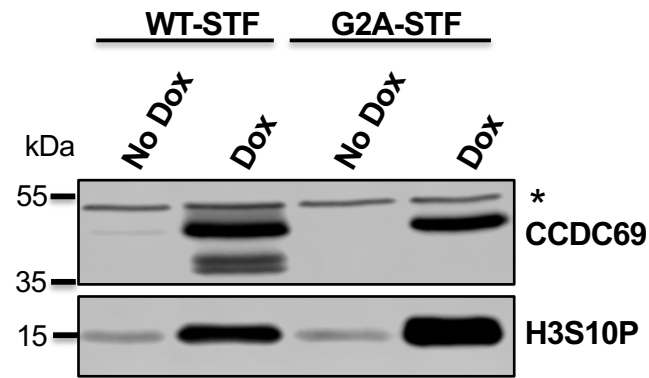
S4A



S4B



S4C



S4D

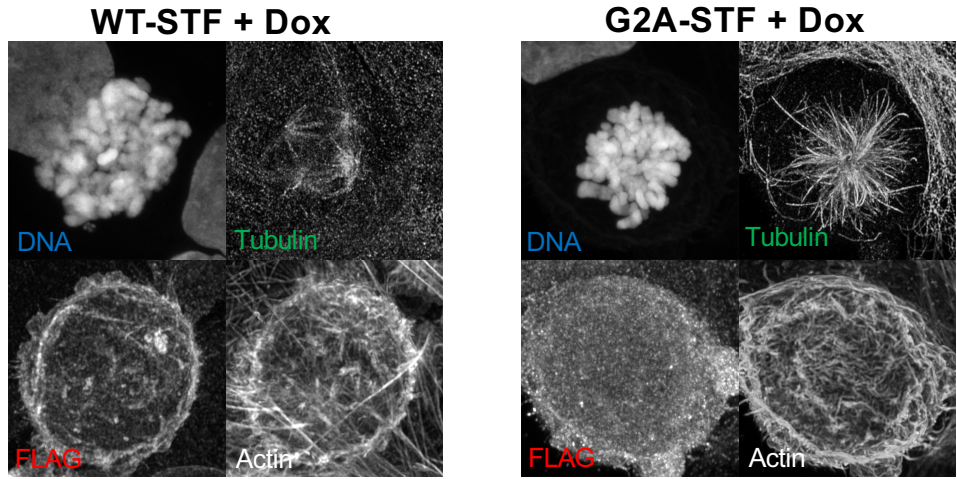
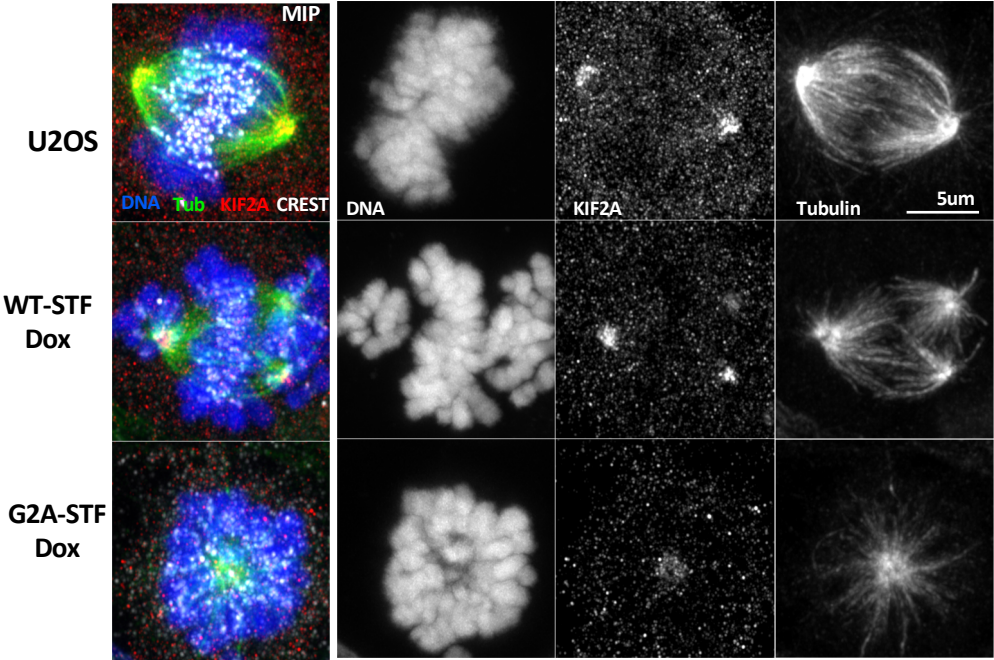




Figure S5  
S5A



S5B

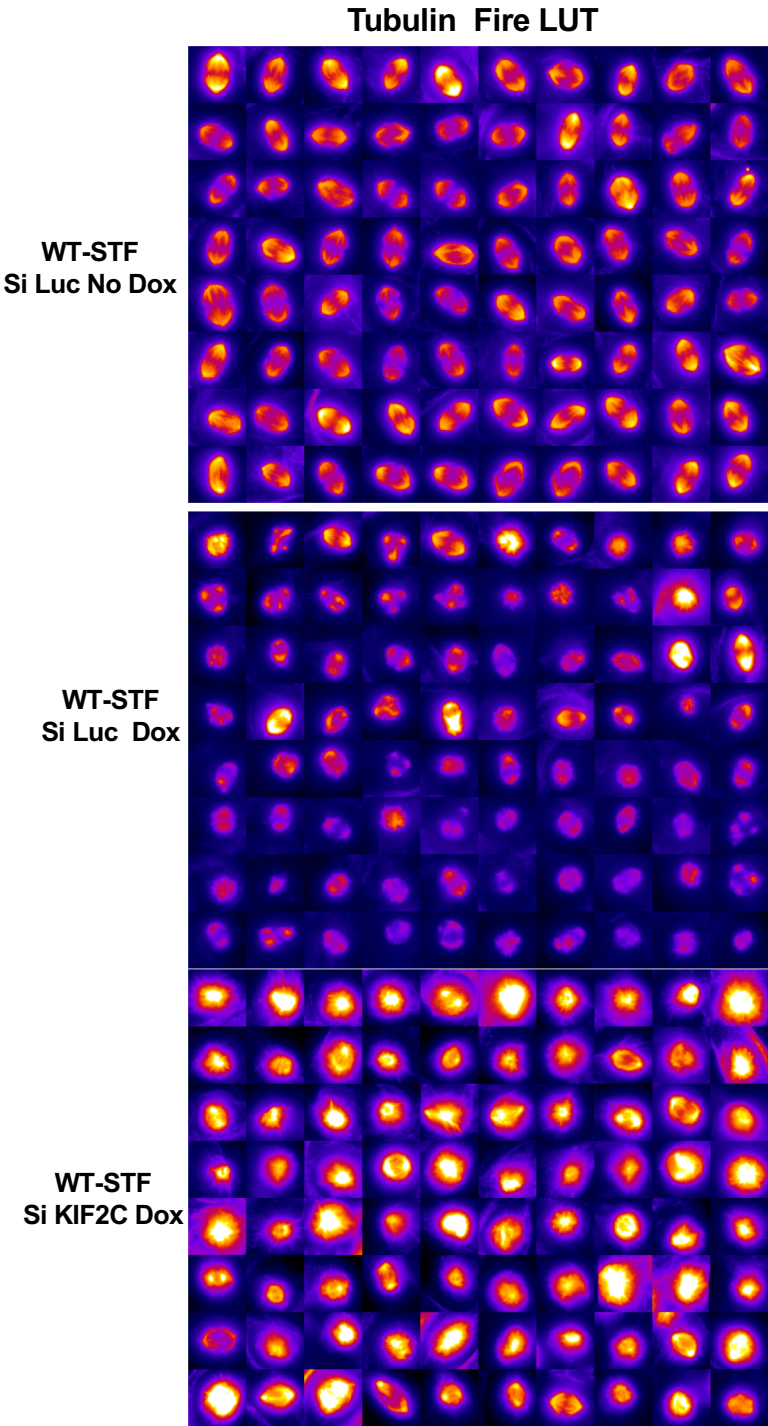
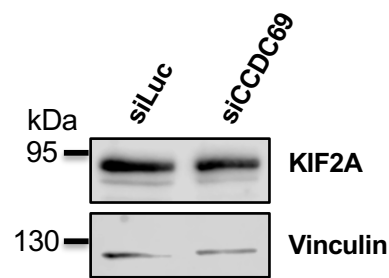


Figure S7

S7A



MIP

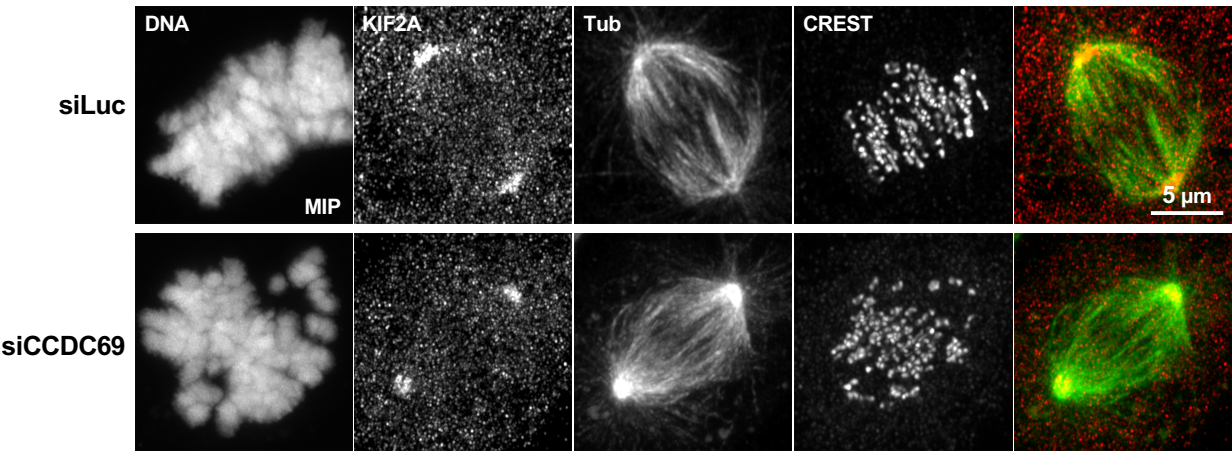
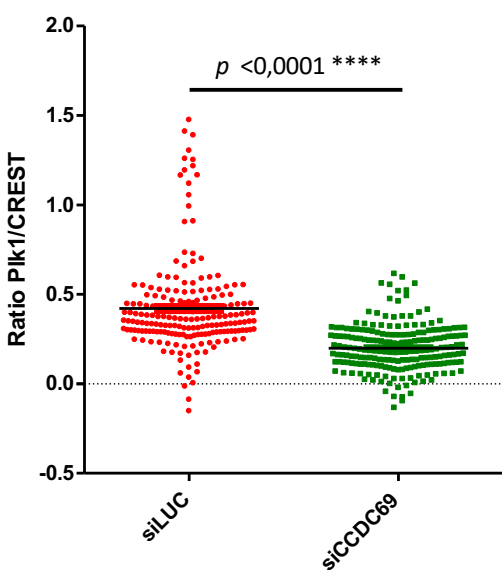
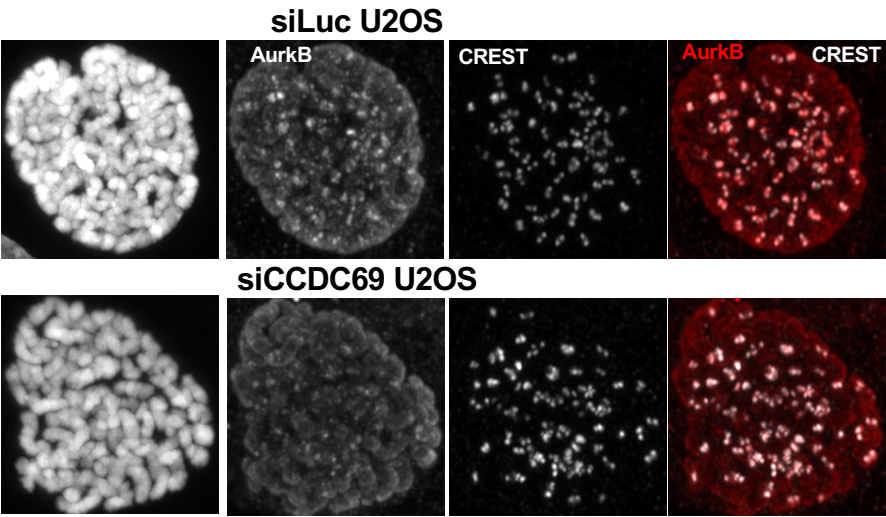


Figure S8

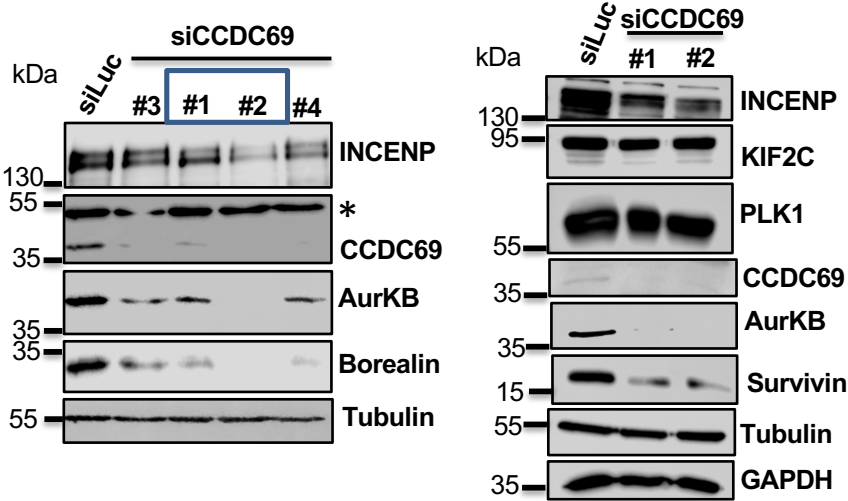
S8A



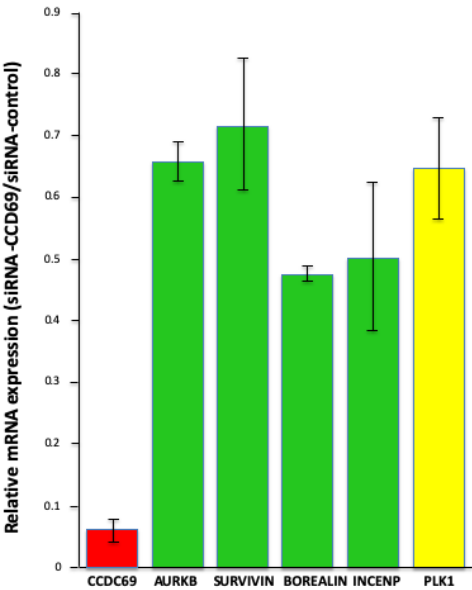
S8B



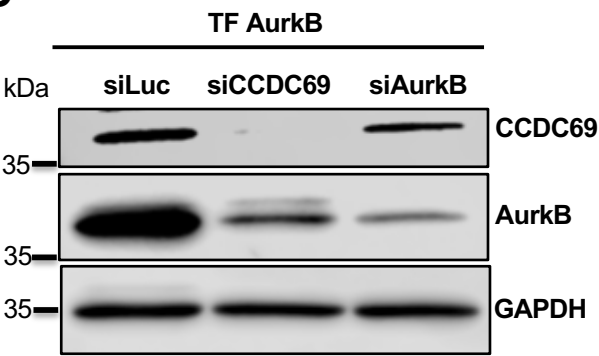
S8C



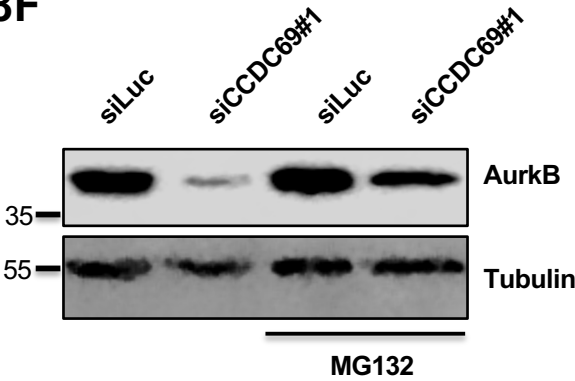
S8E



S8D

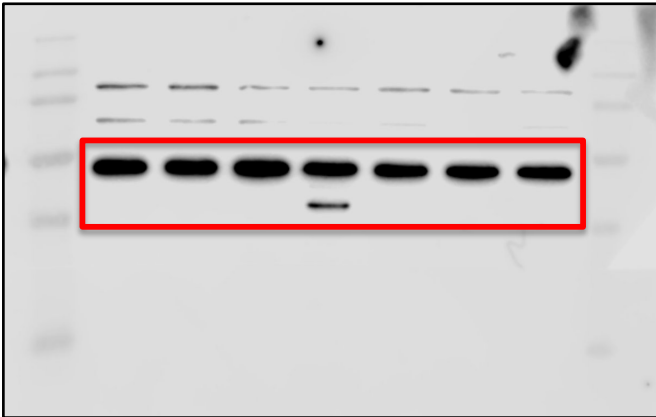


S8F

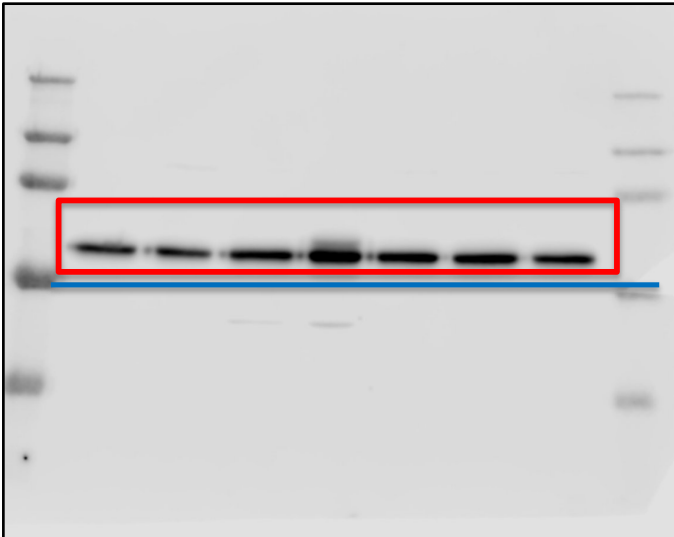


## Uncropped western blot membrane images

### Uncropped membrane image for figure 2A

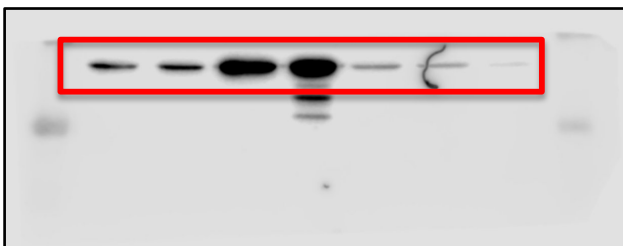


WB anti-CCDC69



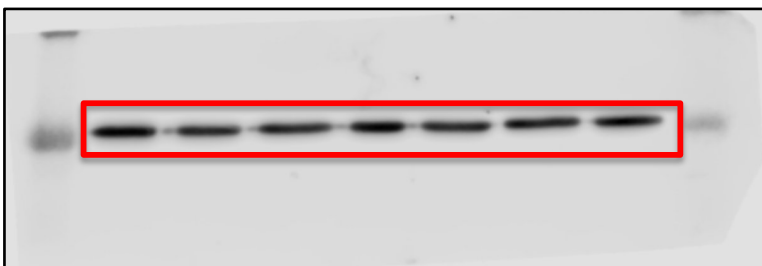
The upper half of the membrane was hybridized with anti-Plk1

WB anti-Plk1



Half of the membrane was hybridized

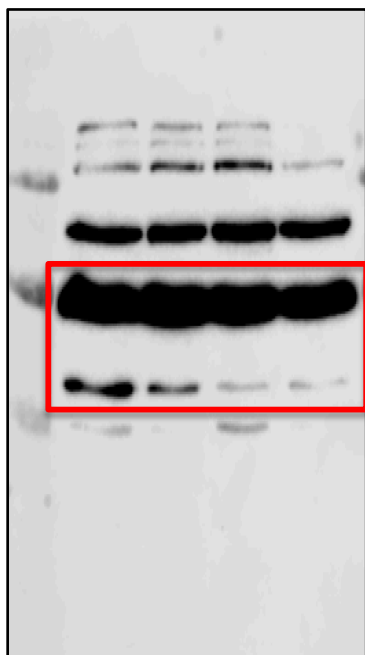
WB anti-Aurora-A



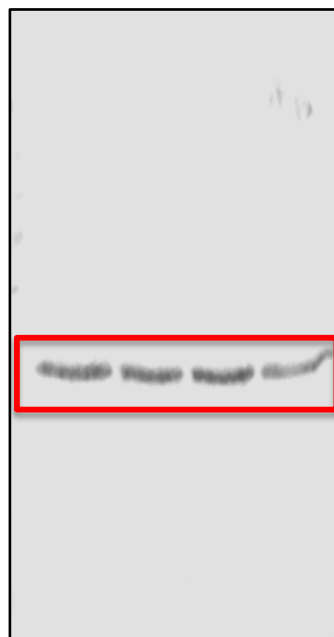
Half of the membrane was hybridized

WB anti-GAPDH

### Uncropped membrane image for figure 2B

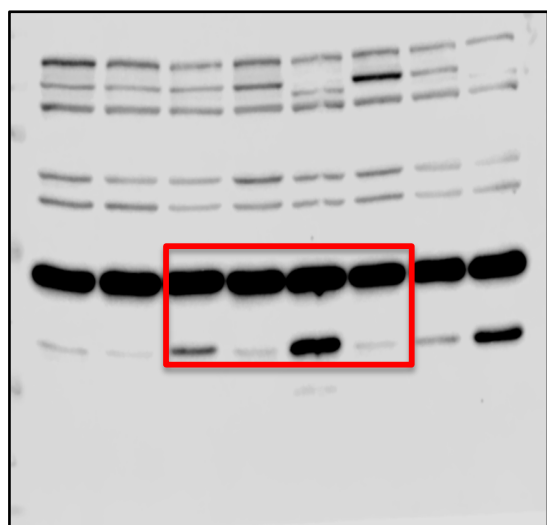


WB anti-CCDC69

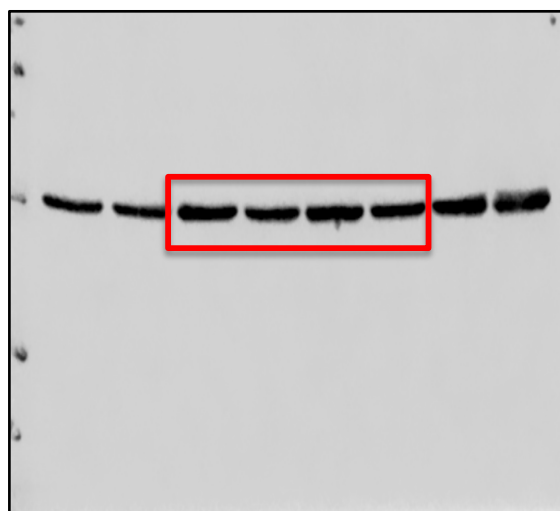


WB anti-Tubulin

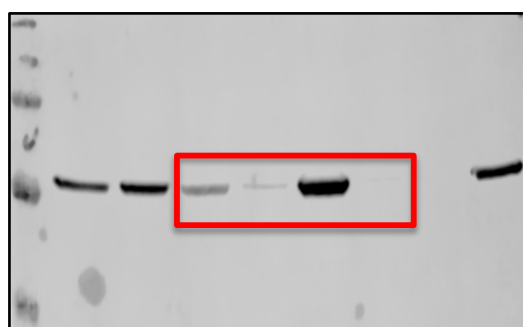
### Uncropped membrane image for figure 2C



WB anti-CCDC69



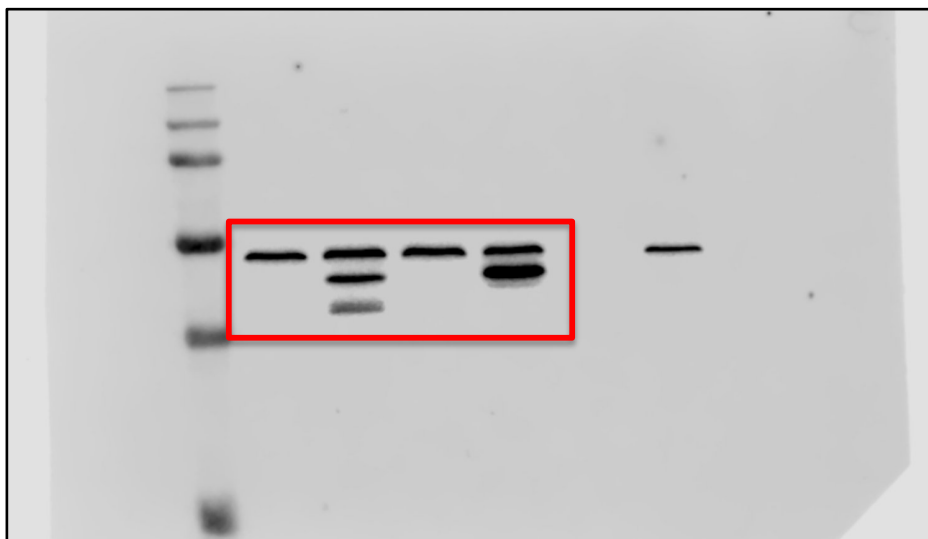
WB anti-Tubulin



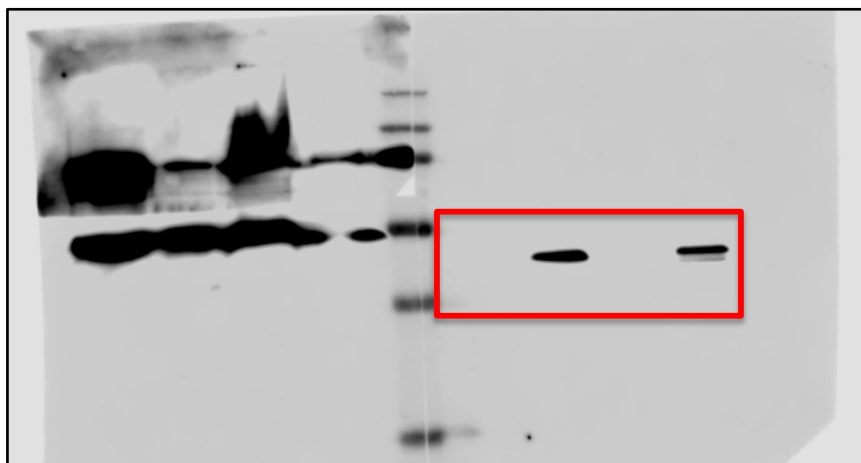
WB anti-Cyclin B1



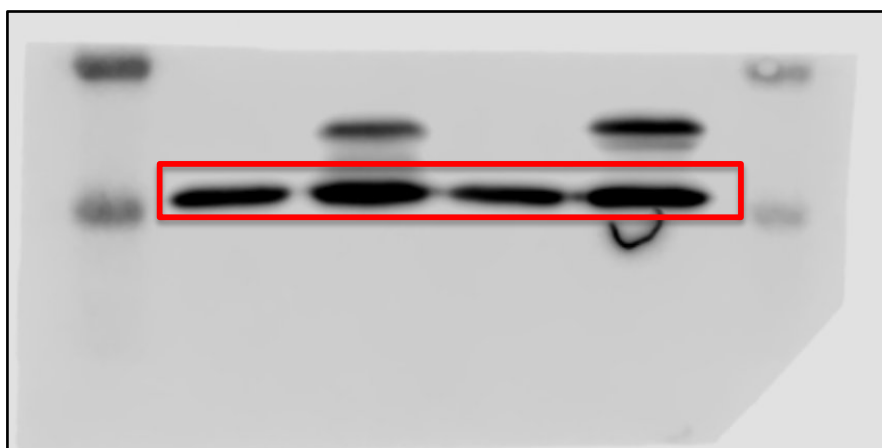
## Uncropped membrane image for figure 3B



WB anti-CCDC69



WB anti-Flag

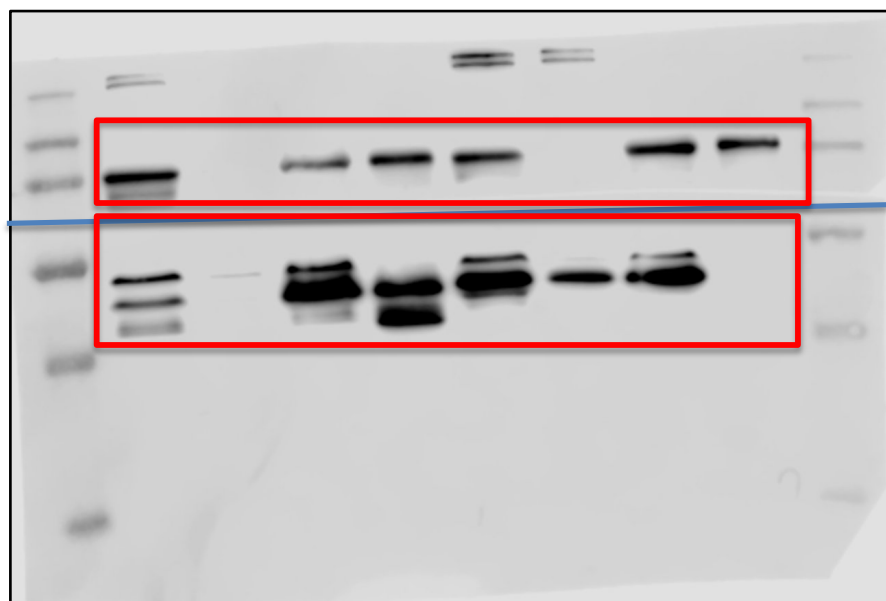


WB anti-GAPDH

An half anti-Flag  
membrane was  
rehybridized with anti-  
GAPDH

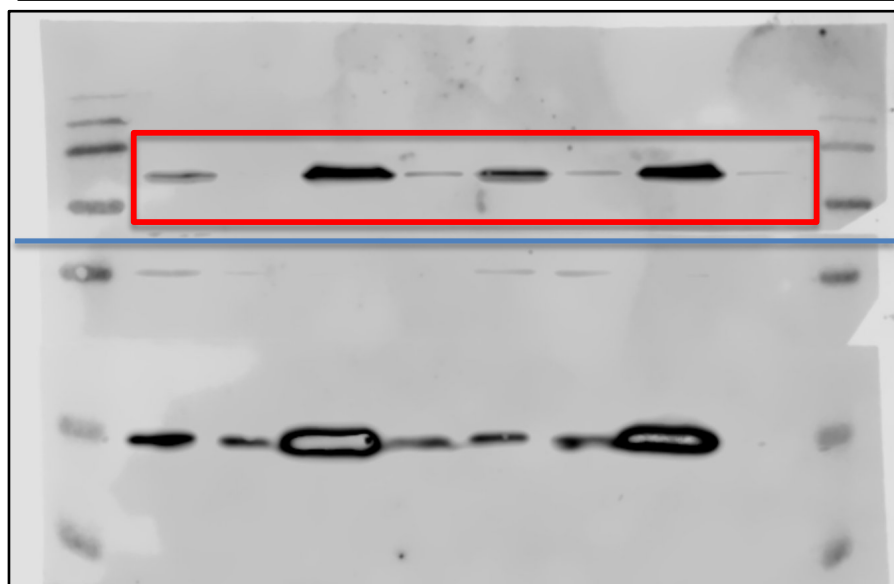


# Uncropped membrane image for figure 3C



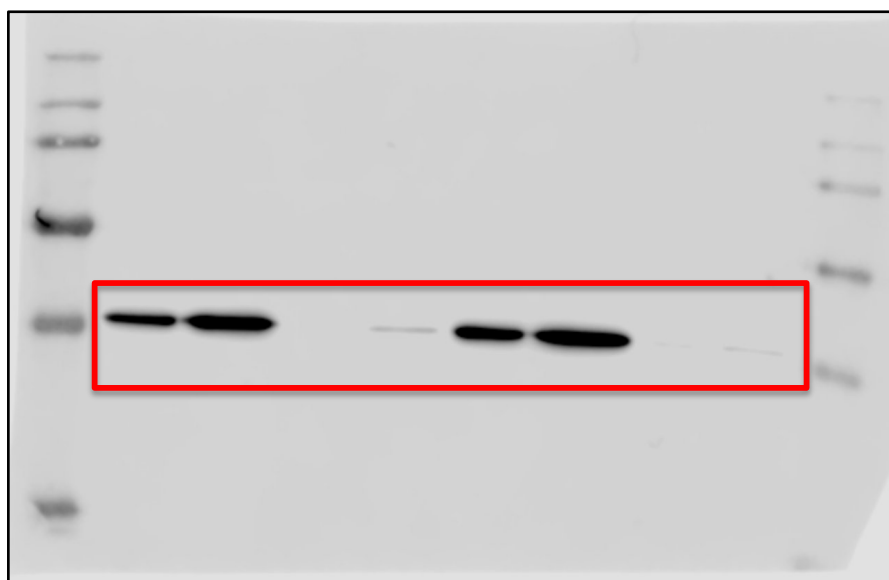
WB anti-Bcatenin

WB anti-CCDC69



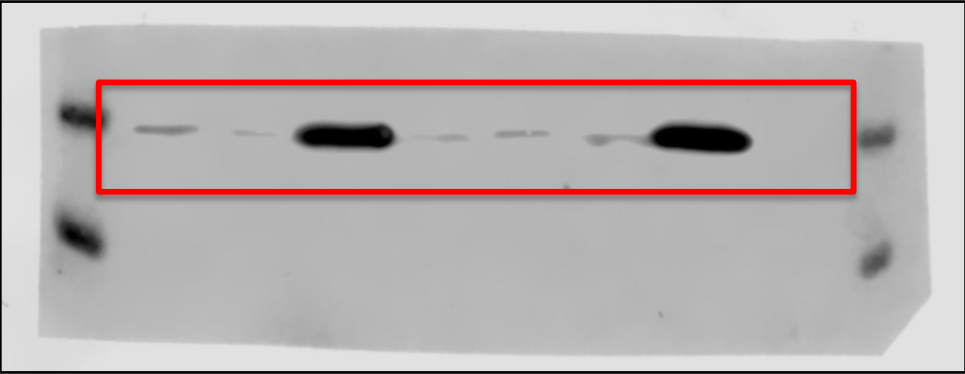
The upper half  
hybridized with anti-  
lamin B1

WB anti-Lamin B1



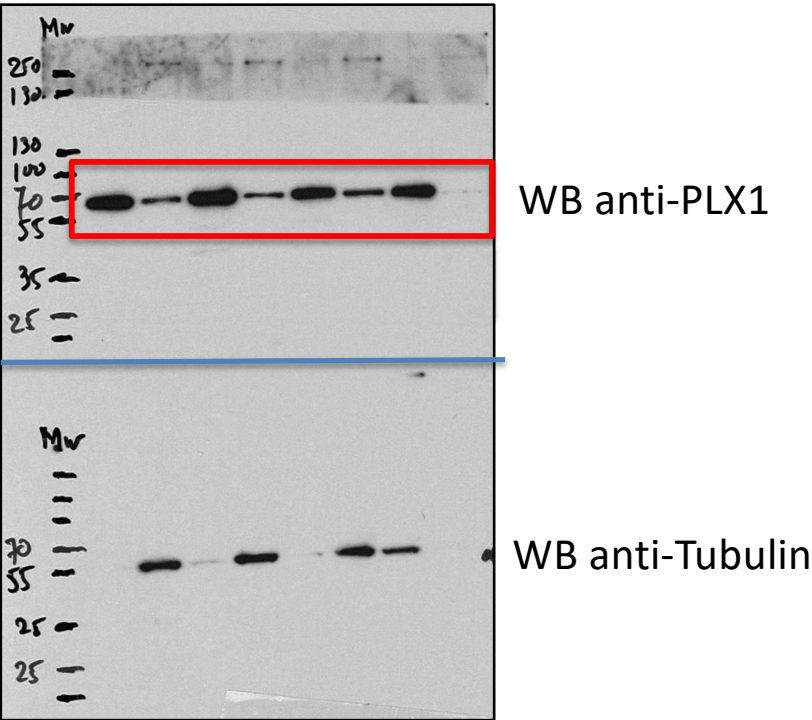
WB anti-GAPDH

Uncropped membrane image for figure 3C (last panel)



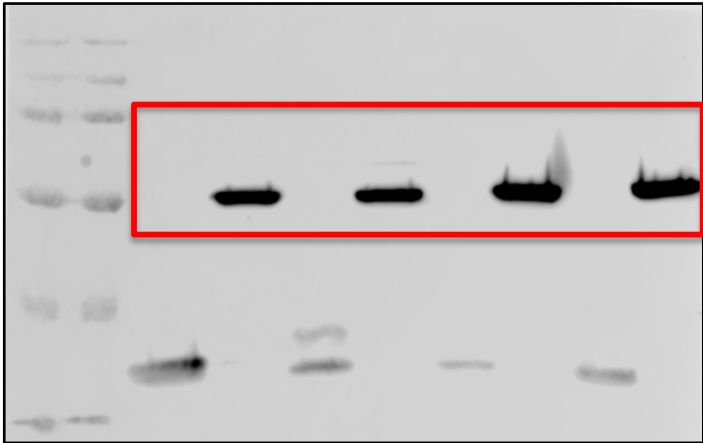
WB anti-H3

Uncropped membrane image for figure 4D

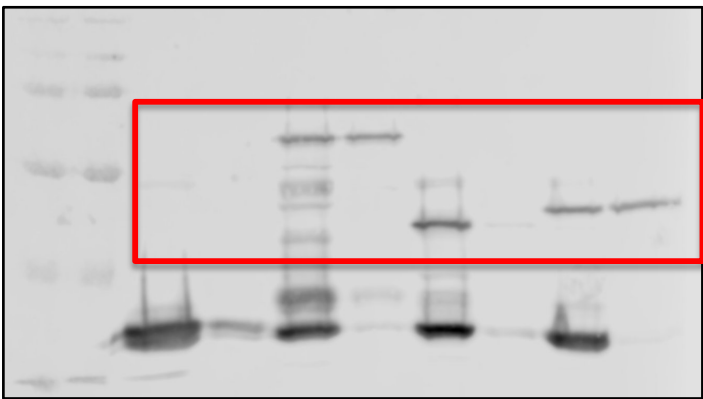


Scan of autoradio: 2 membranes

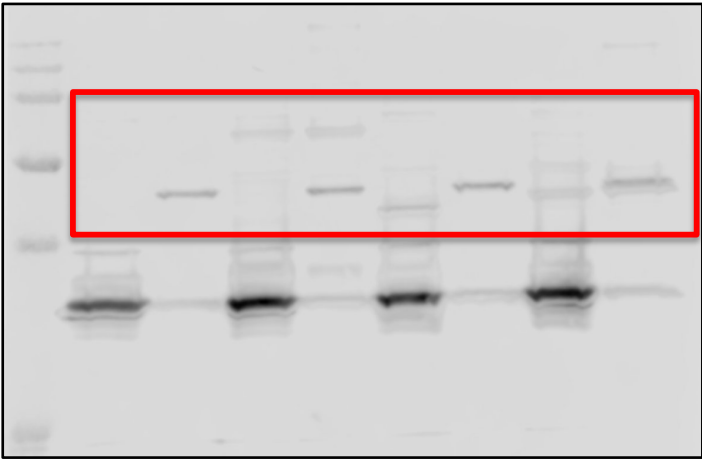
Uncropped membrane image for figure 4E



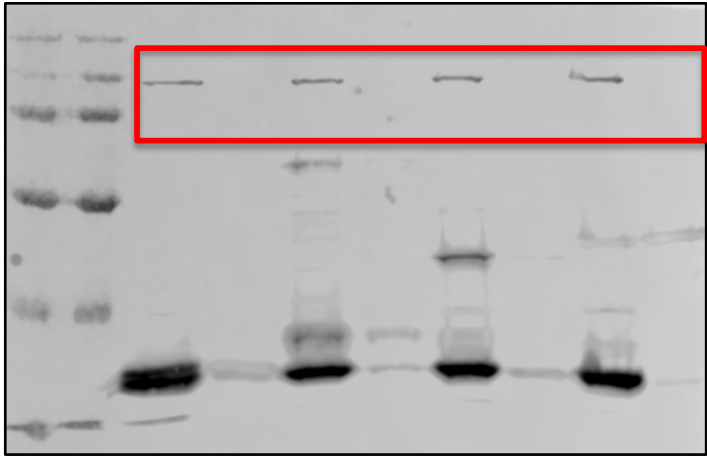
Anti-Tubulin (re-hybridization)



Anti-GST



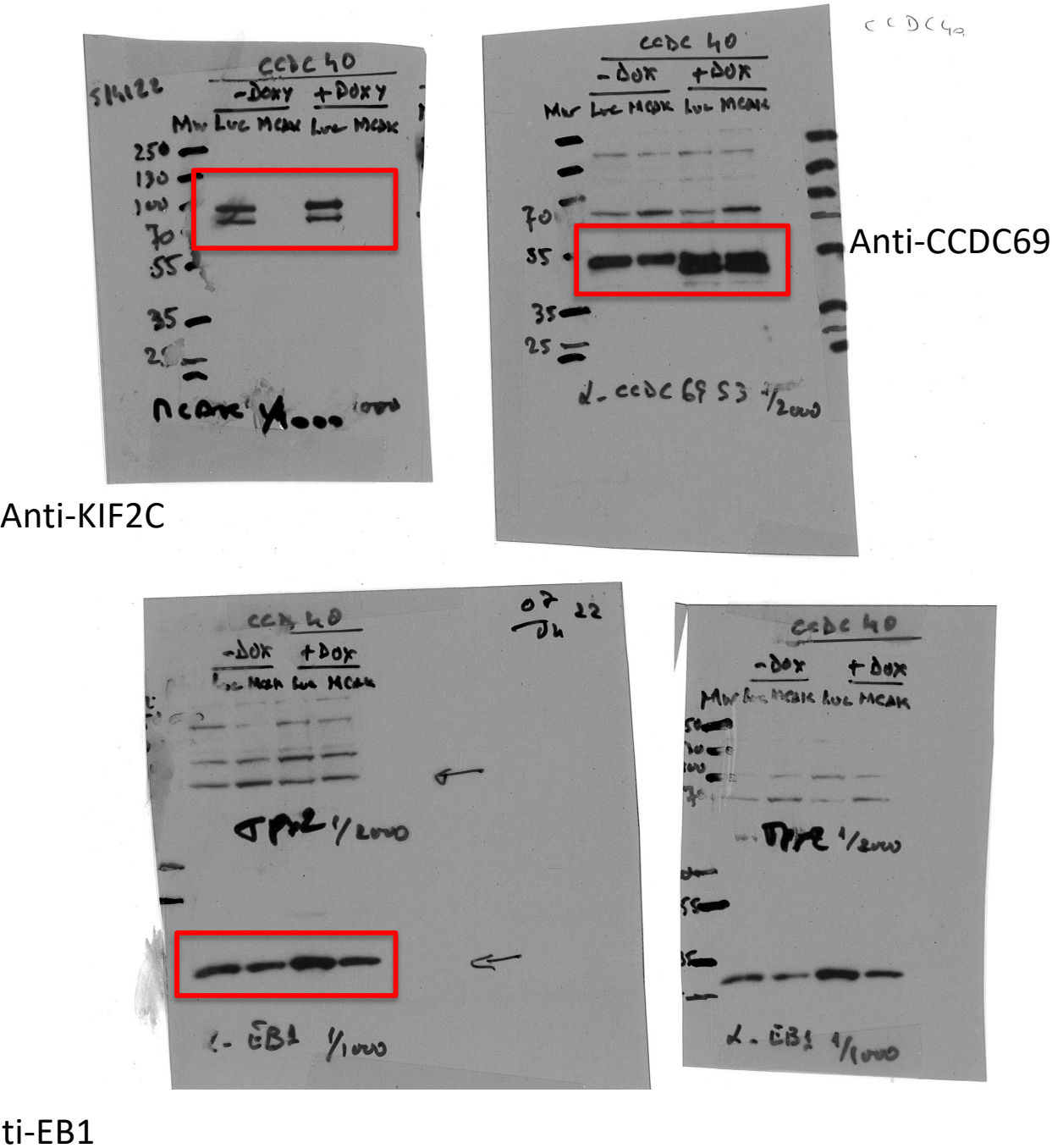
Anti-XIAuroraB (re-hybridization)



Anti-Vinculin (re-hybridization)

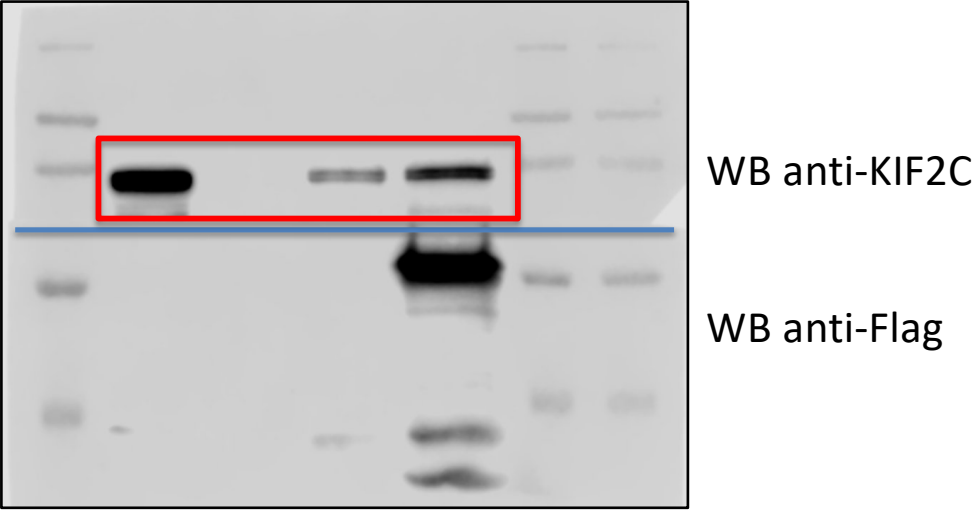
Uncropped membrane image for figure 5B

Scan 4 autoradios

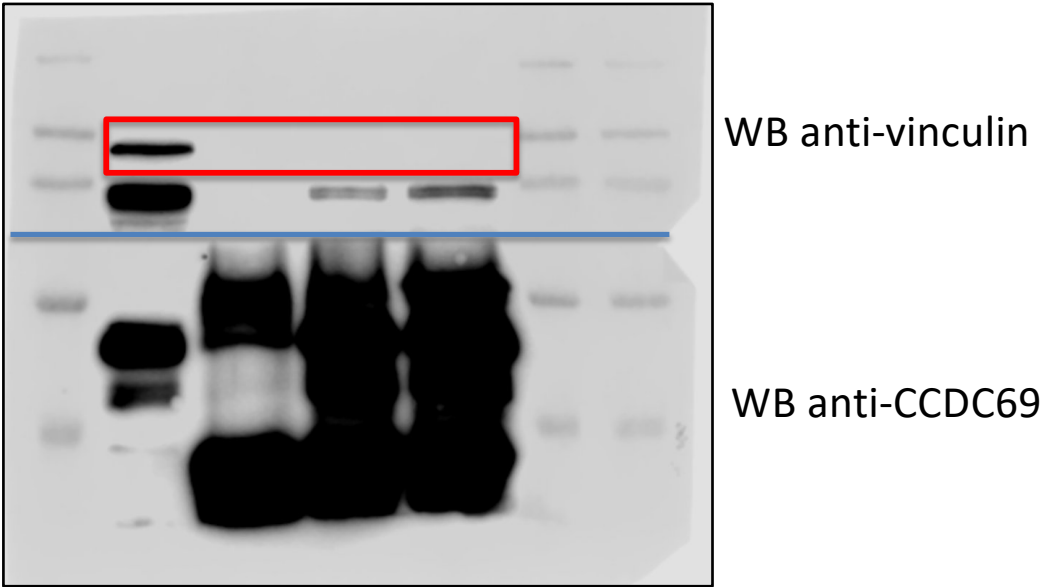


Uncropped membrane image for figure 5D

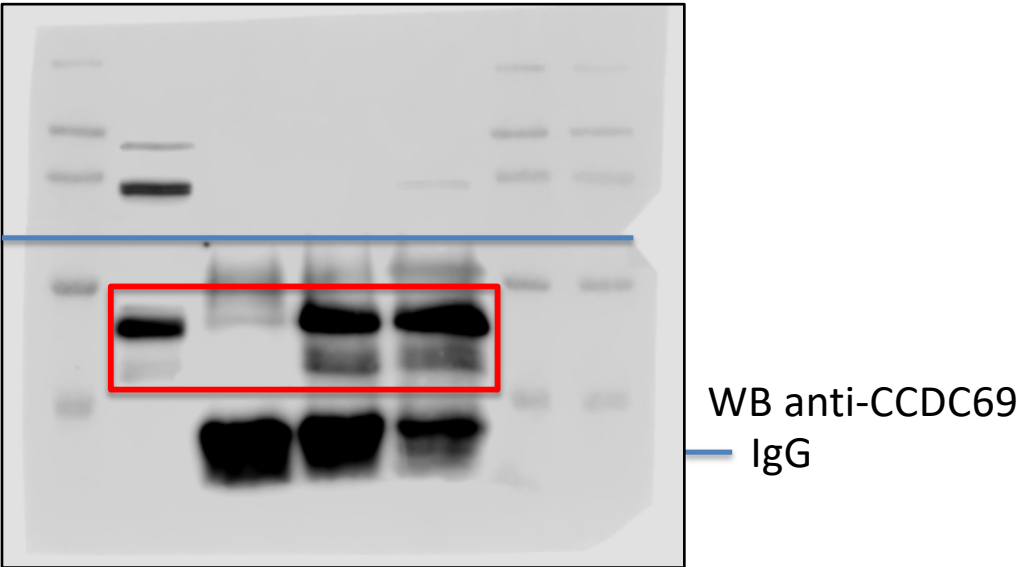
First hybridization



Second hybridization



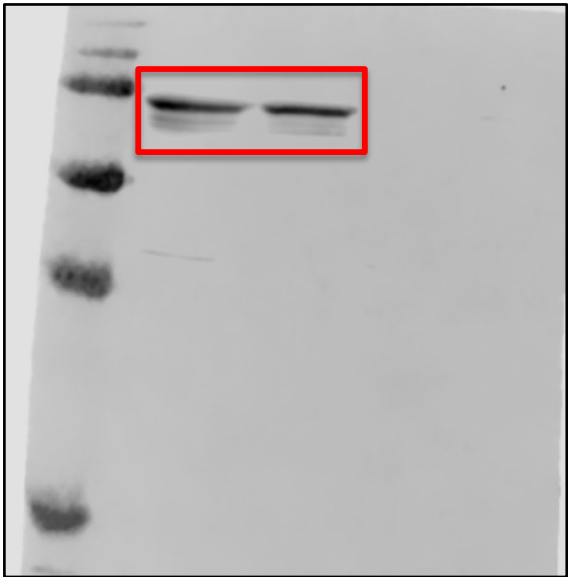
Longer exposure



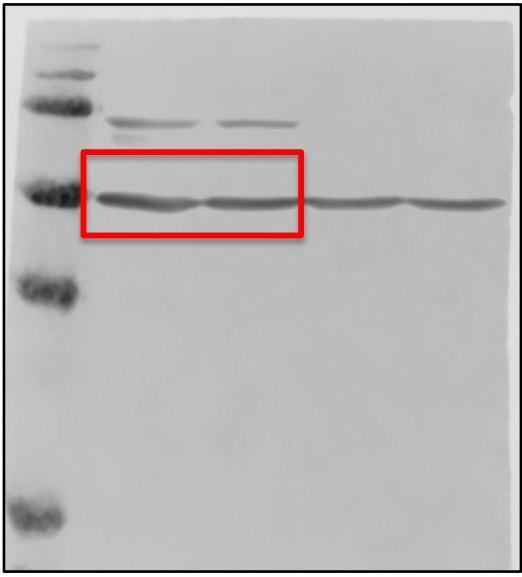
Shorter exposure



**Uncropped membrane image for figure 7C**

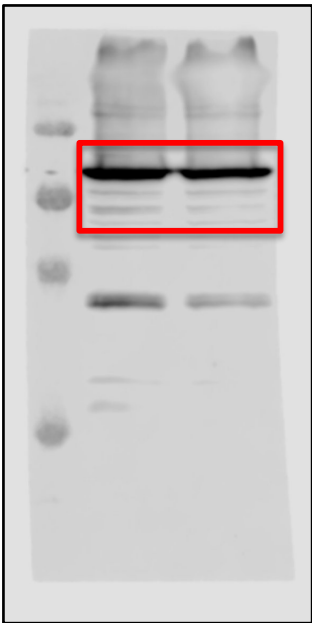


Anti-KIF2C

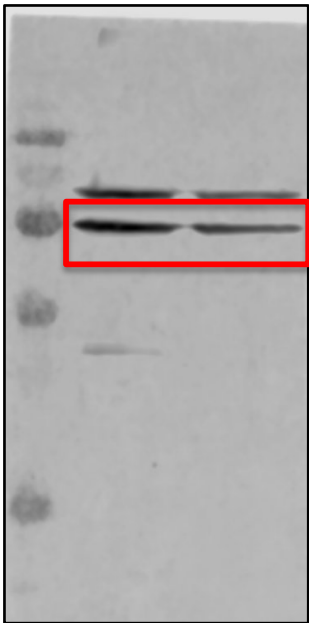


Anti-Tubulin-2d hybridization same blot

**Uncropped membrane image for figure 8A**

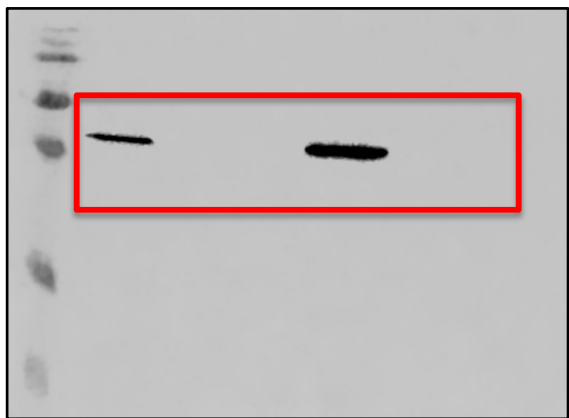


Anti-Plk1

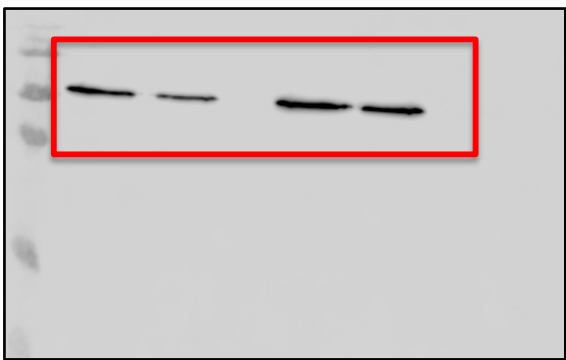


Anti-Tubulin-2d hybridization same blot

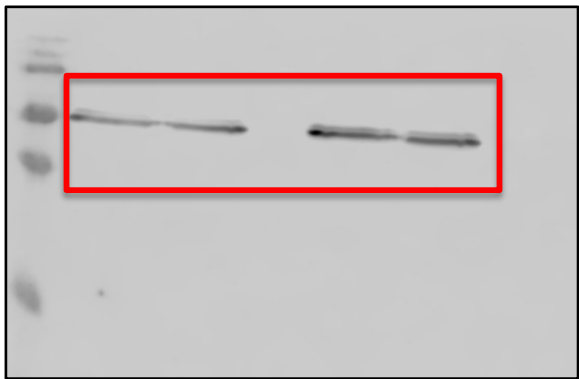
Uncropped membrane image for figure 8E



Anti-Aurora B

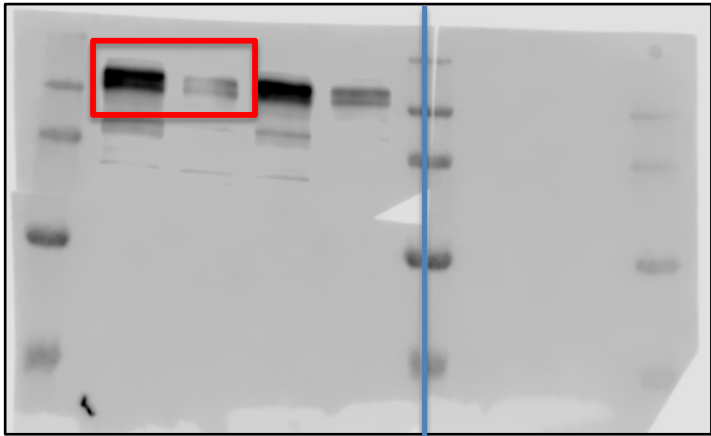


Anti-Cyclin B1

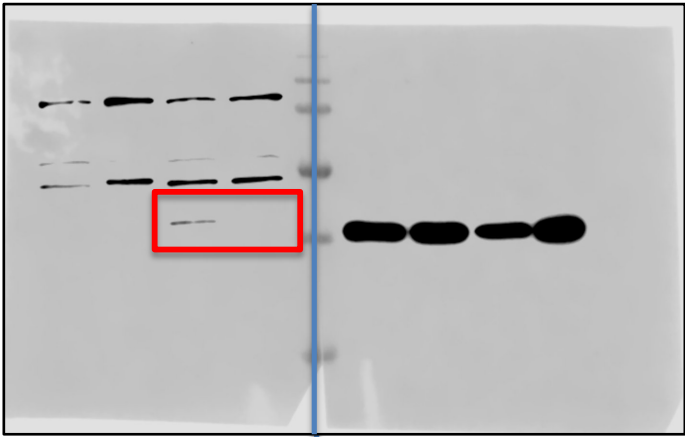


Anti-Tubulin

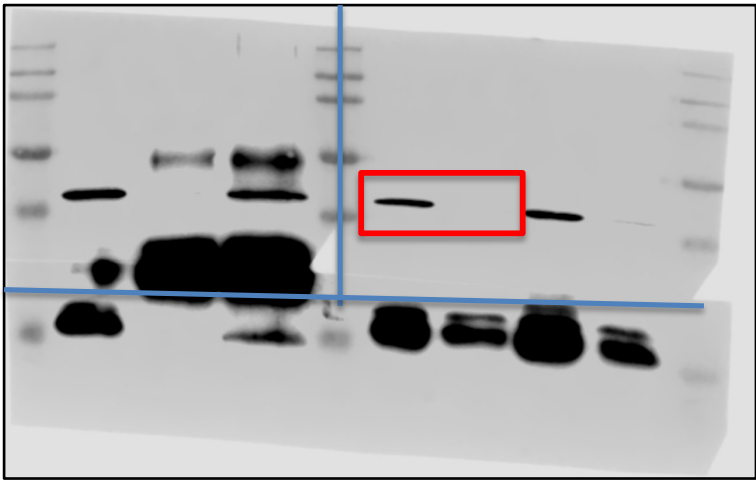
Uncropped membrane image for figure 8F



WB anti-INCENP



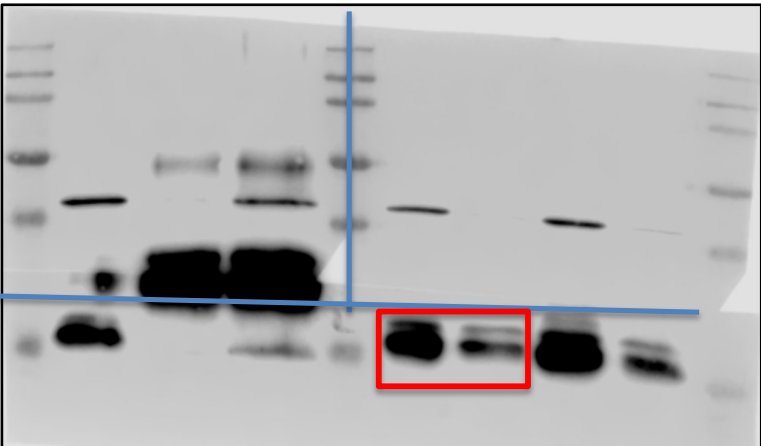
WB anti-CCDC69



anti-Aurora B

WB anti-Survivin

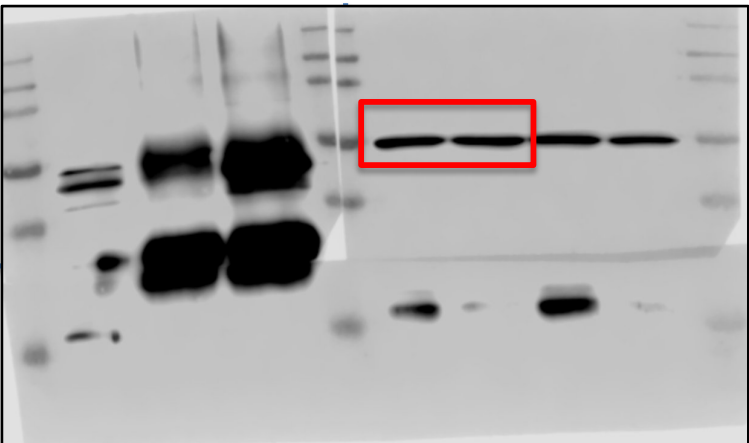
Longer exposure



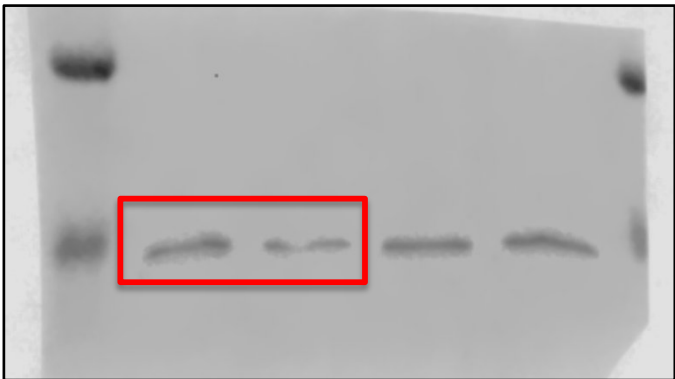
WB anti-Aurora B

WB anti-Survivin

Shorter exposure

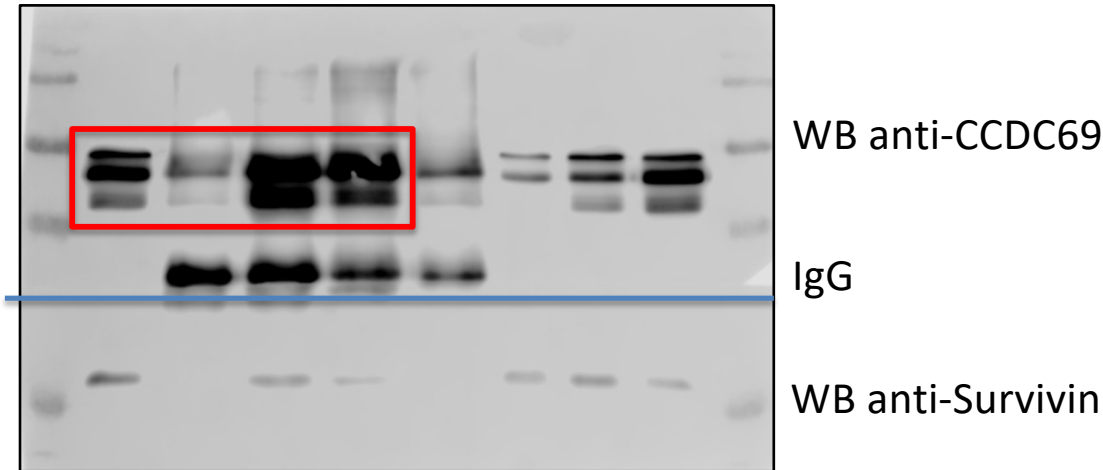


Reblot Tubulin on Aurora B

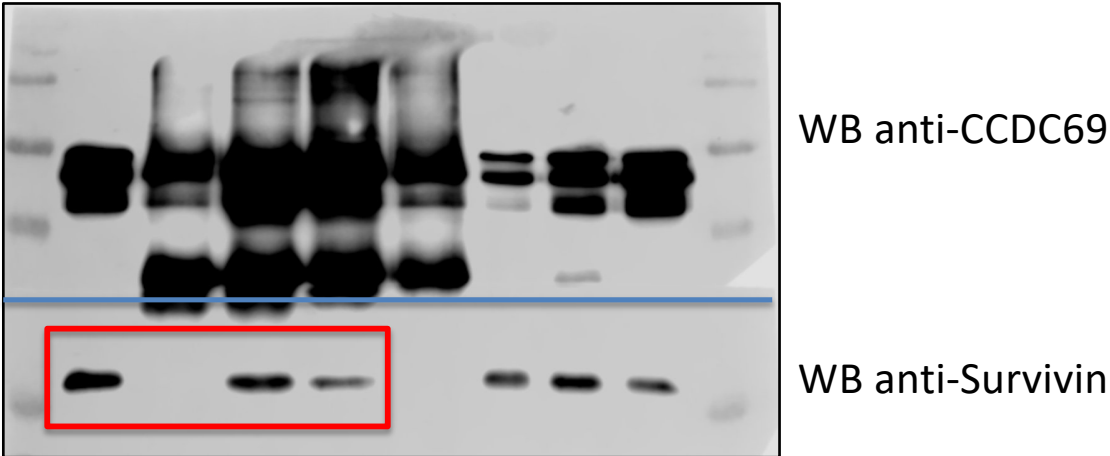


WB anti-Borealin

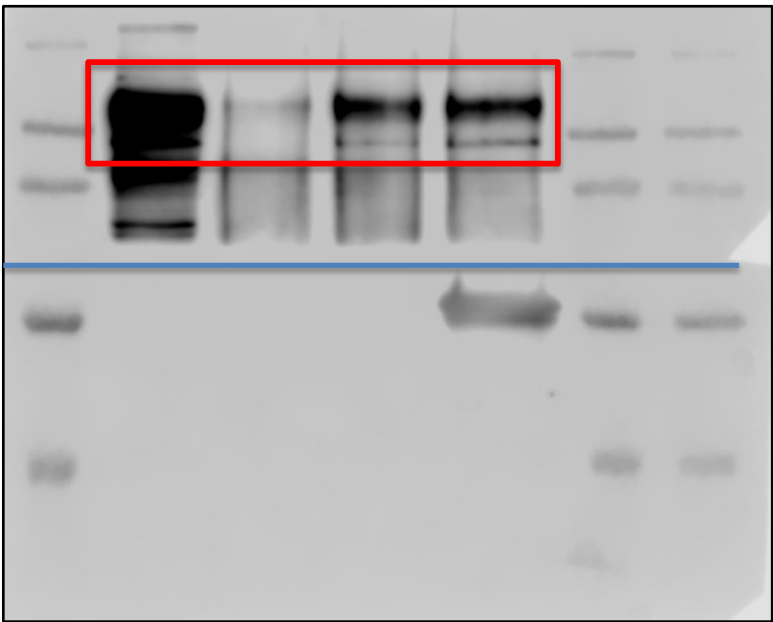
Uncropped membrane image for figure 8G



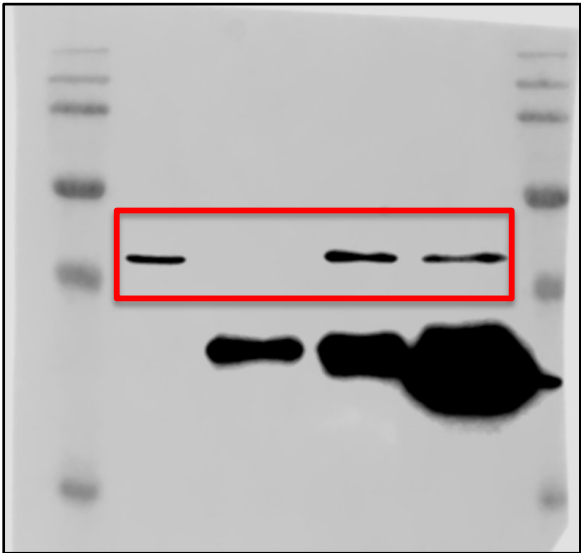
Shorter exposure



Longer exposure



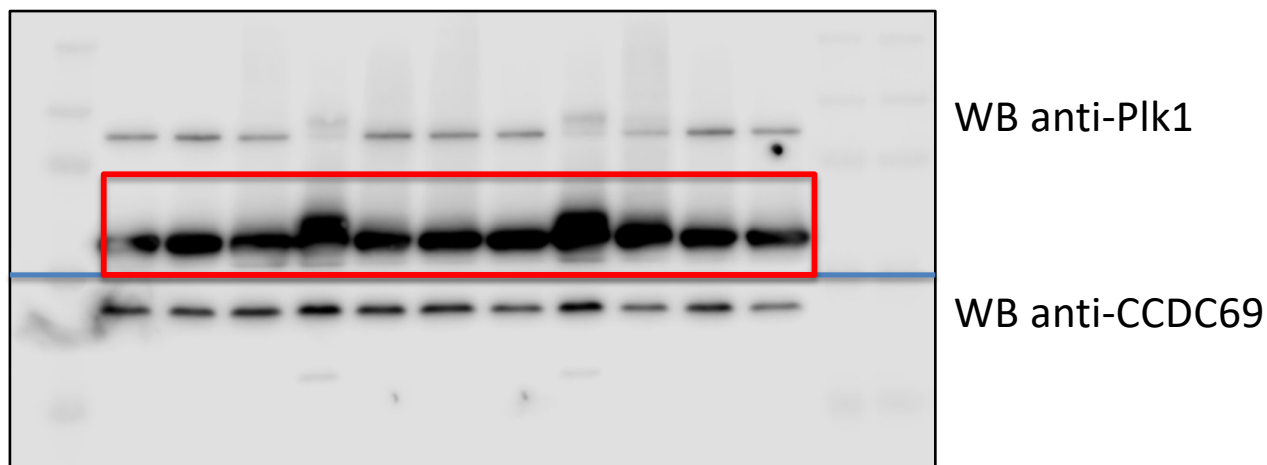
Uncropped membrane image for figure 8G (last panel)



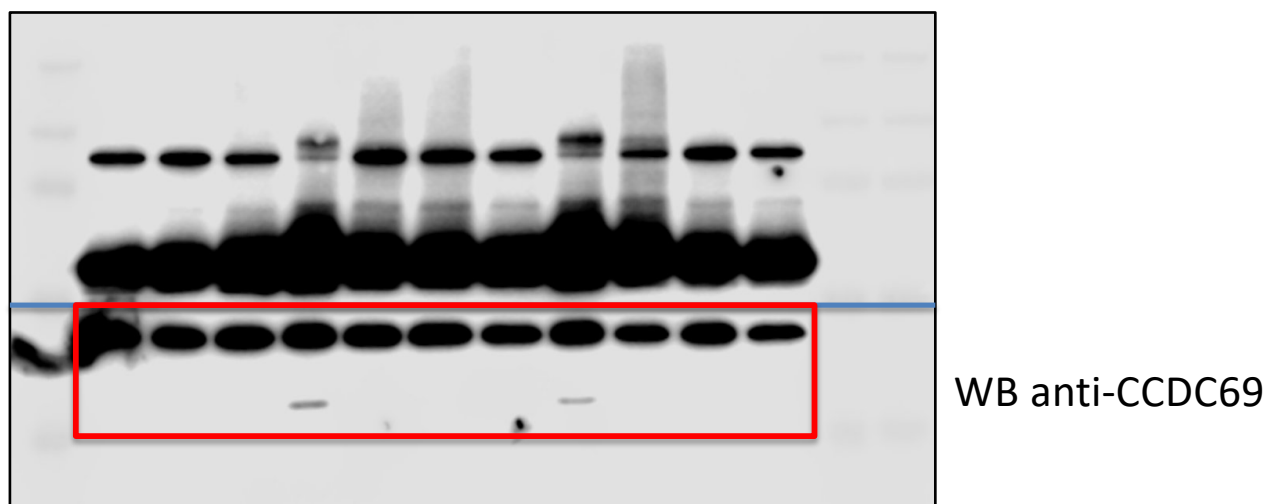
WB anti-Aurora B

## Uncropped western blot membrane images Supplementary data

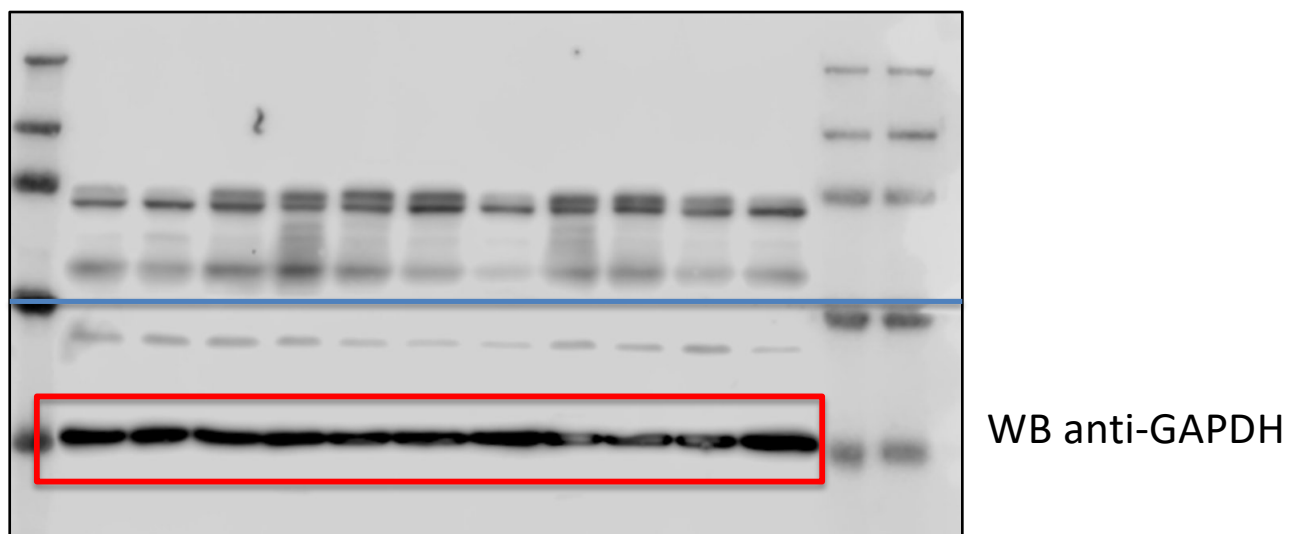
### Uncropped membrane image for figure S2A



### Shorter exposure

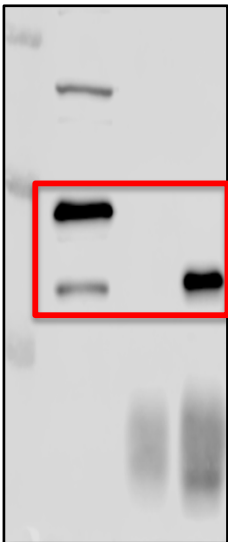


### Longer exposure



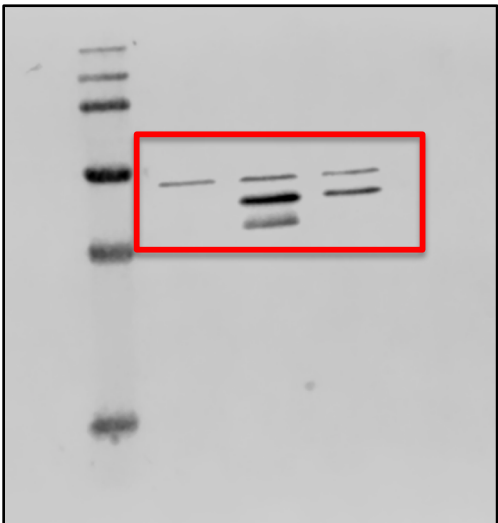


Uncropped membrane image for figure S2B



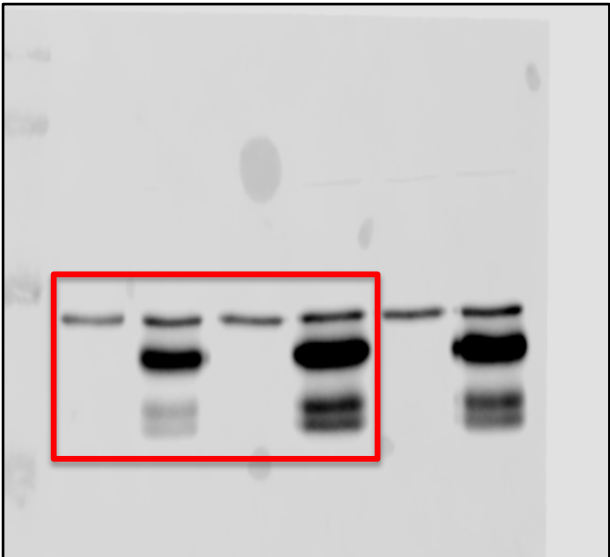
WB anti CCDC69

Uncropped membrane image for figure S3B

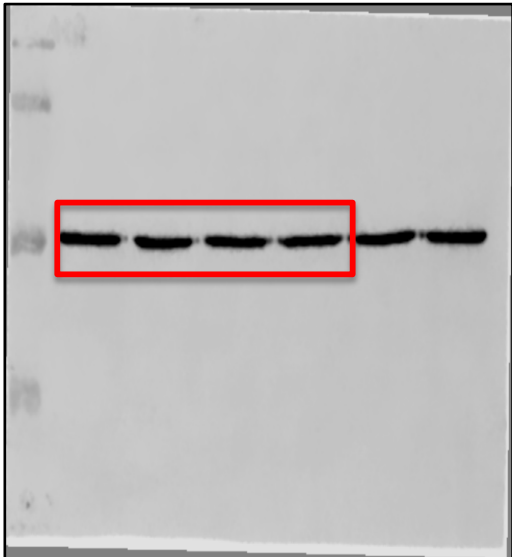


WB anti CCDC69

Uncropped membrane image for figure S3D

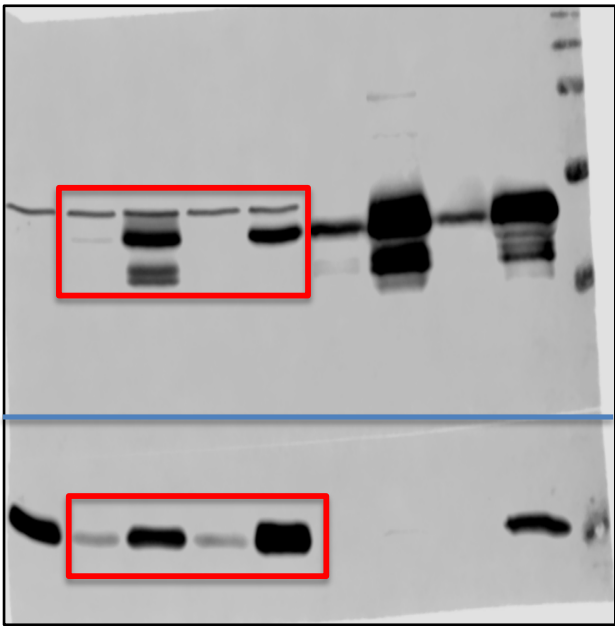


WB anti CCDC69



WB anti tubulin

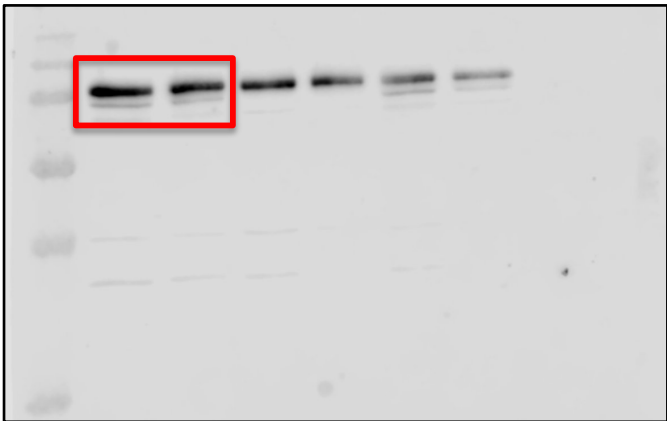
Uncropped membrane image for figure S4C



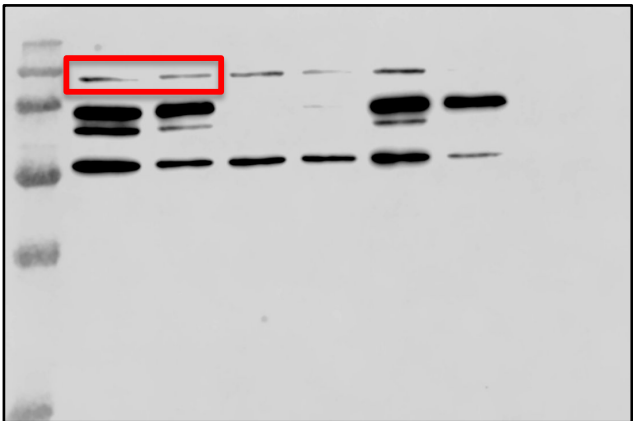
WB anti-CCDC69

WB anti  
pSer10-H3

Uncropped membrane image for figure S7A

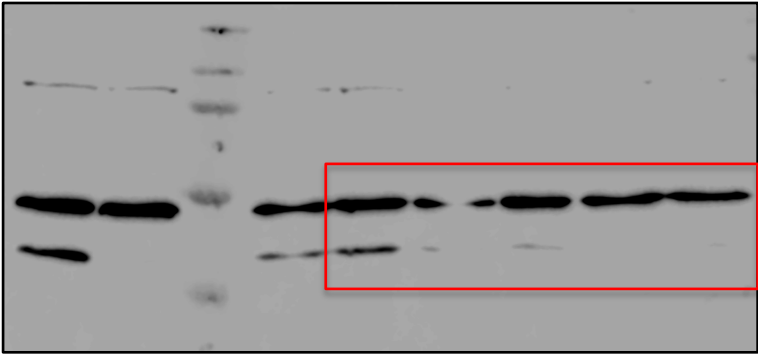


WB Anti-KIF2A

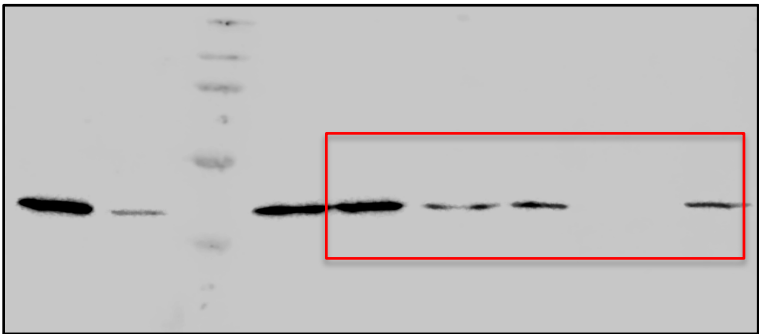


WB Anti-Vinculin 2d  
hybridization on the same blot

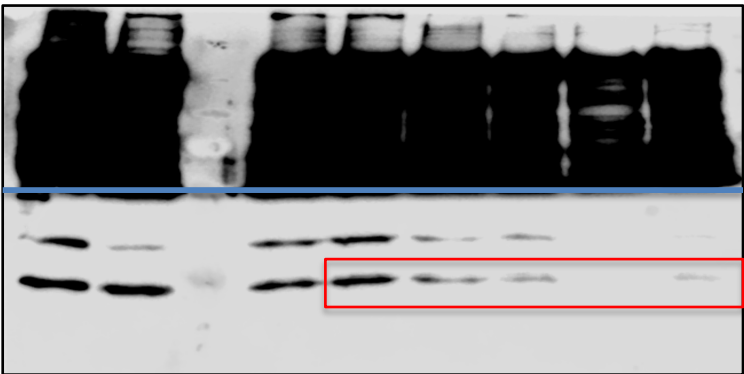
Uncropped membrane image for figure S8B-left



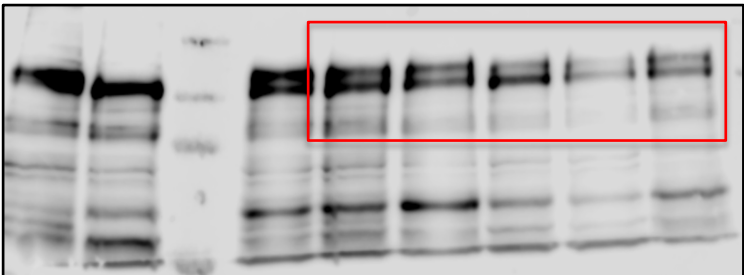
WB CCDC69



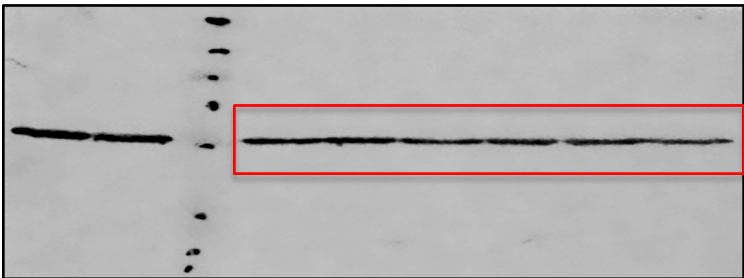
WB AurKB



WB Borealin

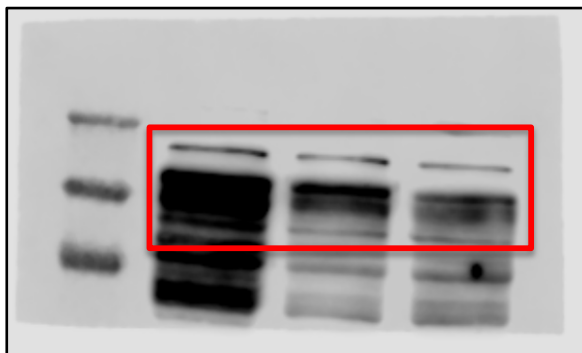


WB INCENP

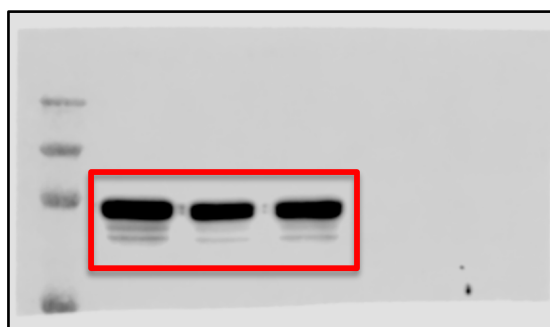


Tubulin

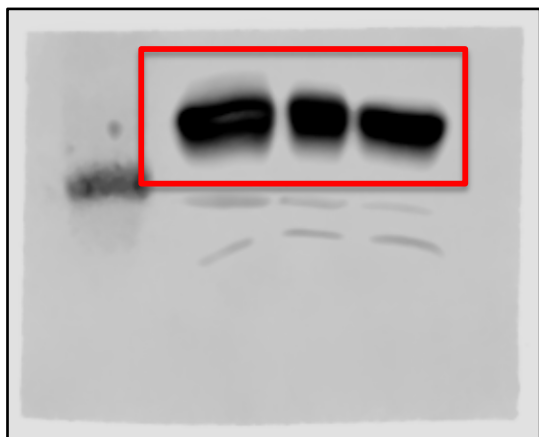
## Uncropped membrane image for figure S8B-right



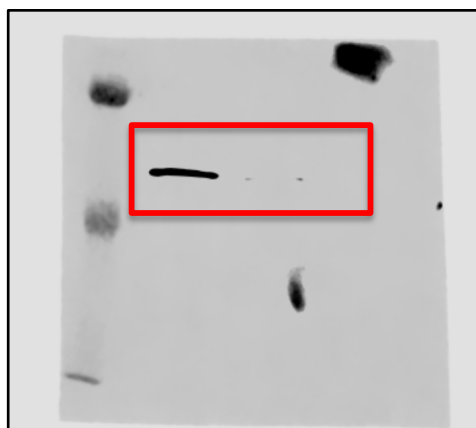
WB INCENP



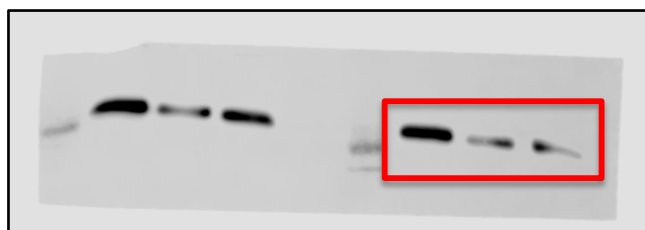
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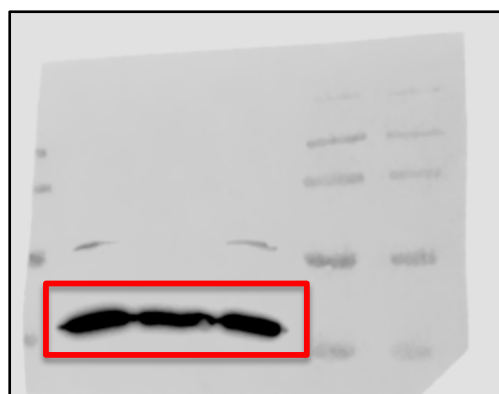
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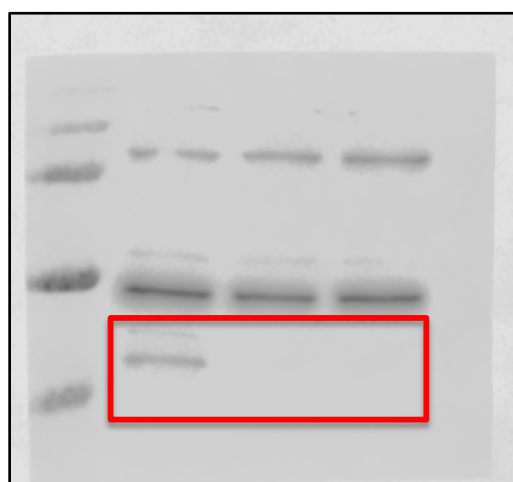
WB AurKB



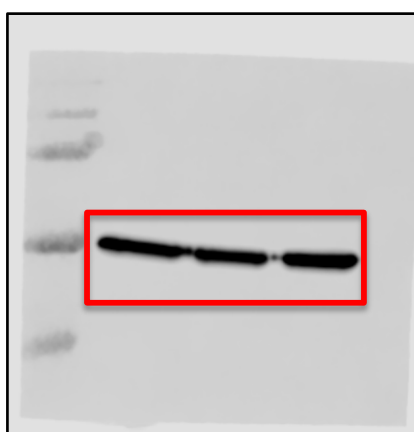
WB Survivin



WB GAPDH

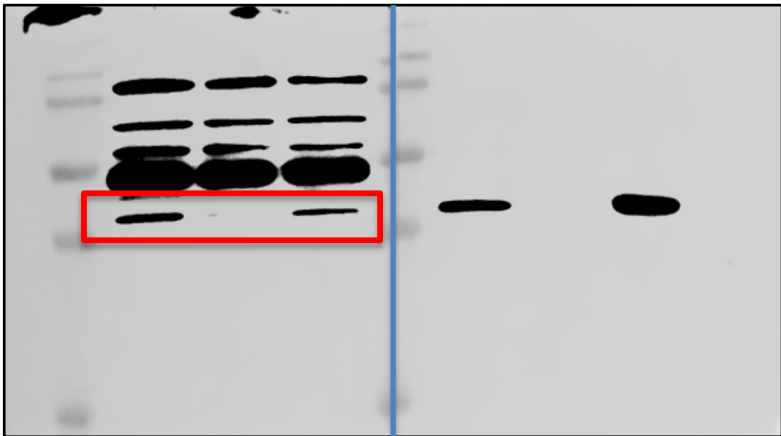


WB CCDC69

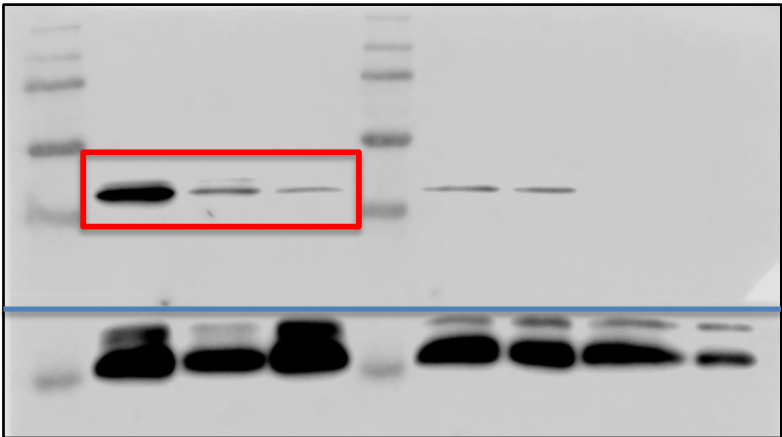


WB Tubulin

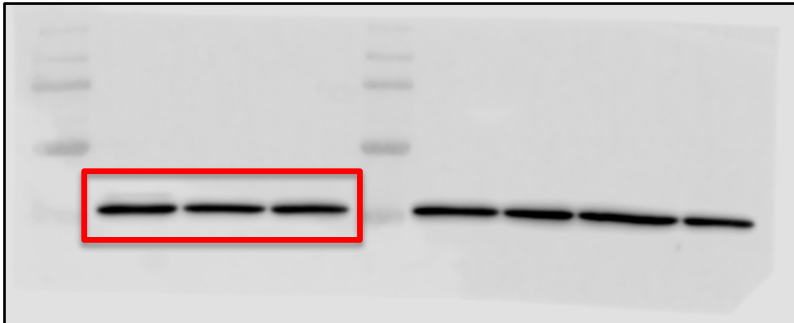
Uncropped membrane image for figure S8C



WB CCDC69

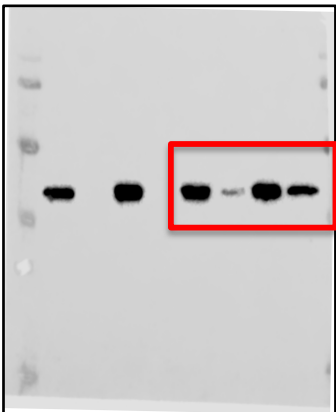


WB anti-Aurora B

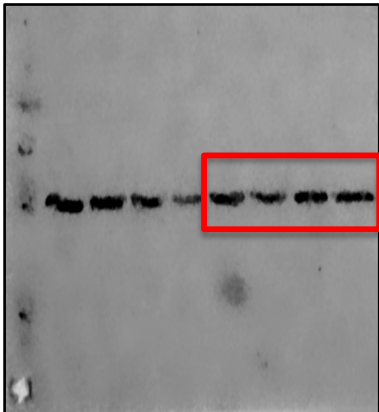


WB anti-GAPDH

Uncropped membrane image for figure S8E



WB anti-AuroraB



Wb anti-Tubulin