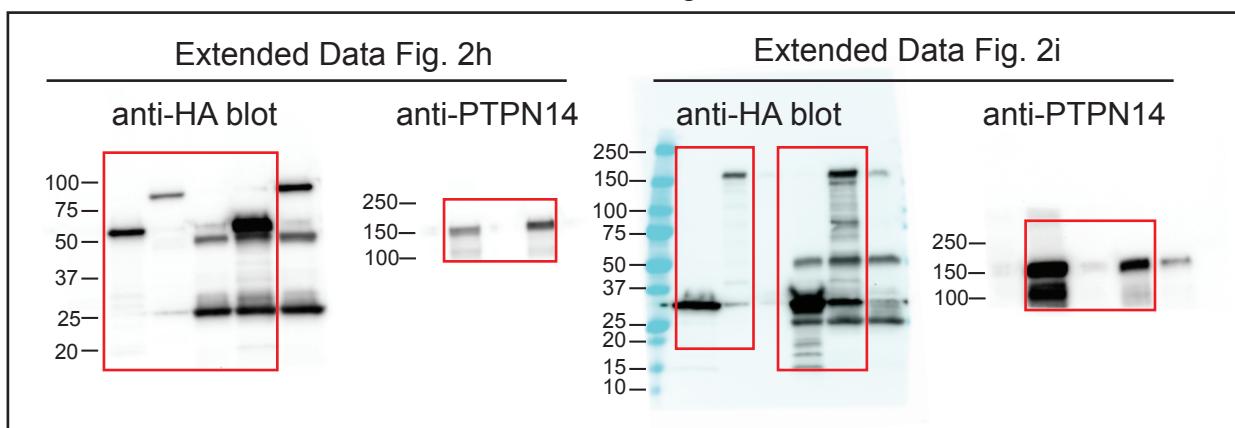


# SUPPLEMENTARY INFORMATION

doi:10.1038/nature22366

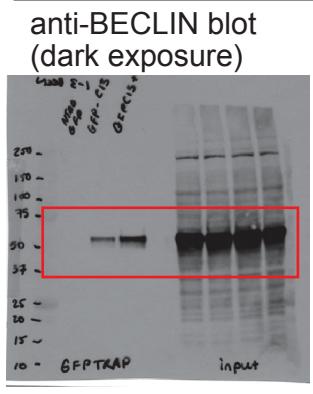
## Supplemental Data Fig 1

Extended Data Fig. 2h,i

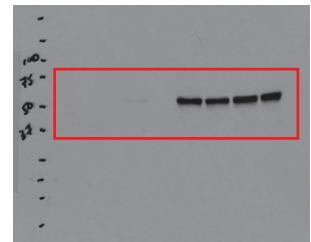
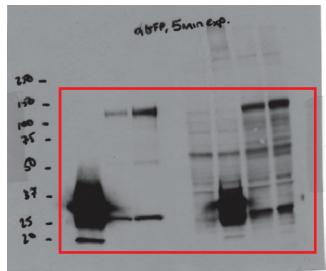


Extended Data Fig. 7l-n

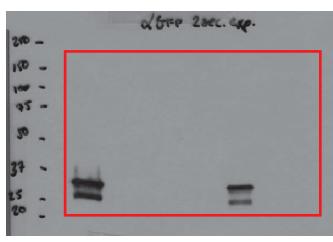
Extended Data Fig. 7l



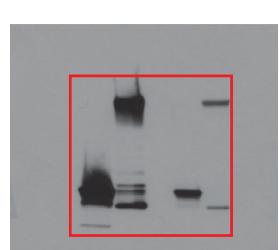
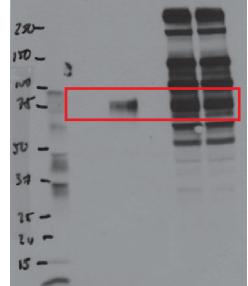
(light exposure)

anti-GFP blot  
(dark exposure)

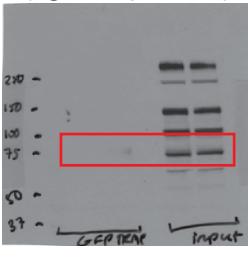
(light exposure)



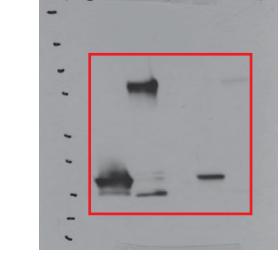
Extended Data Fig. 7m

anti-C13ORF18 blot  
(dark exposure)

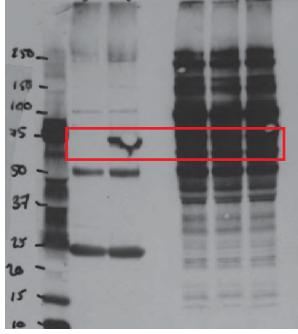
(light exposure)



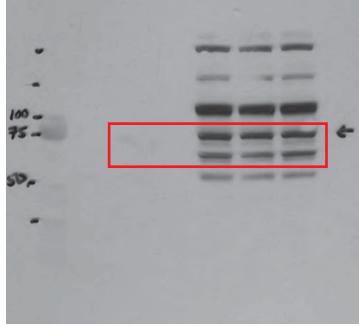
(light exposure)



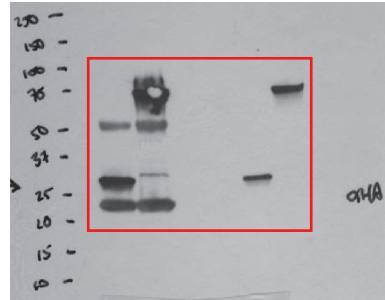
Extended Data Fig. 7n

anti-C13ORF18 blot  
(dark exposure)

(light exposure)

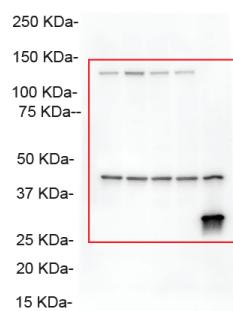


anti-HA blot

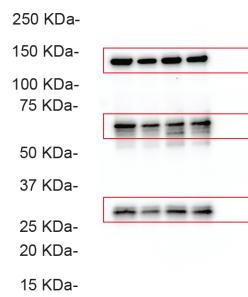


αHA

Extended Data Fig. 10a

anti-KIAA0196 +  
anti-PCNA blotanti-FLAG +  
anti-ACTIN blot

Extended Data Fig. 10d

anti-KIAA1033 +  
anti-WASH1 +  
anti-CCDC53 blot

anti-FLAG blot

