

For Research Use Only

# CP110 Recombinant antibody

Catalog Number:80965-5-RR



## Basic Information

<b>Catalog Number:</b> 80965-5-RR	<b>GenBank Accession Number:</b> BC036654	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9738	<b>CloneNo.:</b> 242016E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43303	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:300-1:1200 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> CP110 protein	
<b>Immunogen Catalog Number:</b> AG3489	<b>Calculated MW:</b> 991 aa, 111 kDa	
	<b>Observed MW:</b> 113 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HEK-293T cells, Jurkat cells, MOLT-4 cells, HCT 116 cells, HeLa cells, K-562 cells, U2OS cells

**IHC :** mouse testis tissue,

**IF/ICC :** HepG2 cells,

## Background Information

CP110, also named as CCP110 and KIAA0419, is an 110kDa protein. This gene is different to the gene CEP110 (geneID:11064; CNTRL). CP110 is a centriolar protein that positively regulates centriole duplication while restricting centriole elongation and ciliogenesis. And it acts as a key negative regulator of ciliogenesis in collaboration with CEP97 by capping the mother centriole thereby preventing cilia formation.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

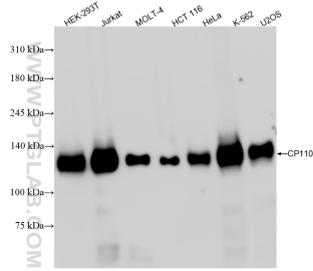
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

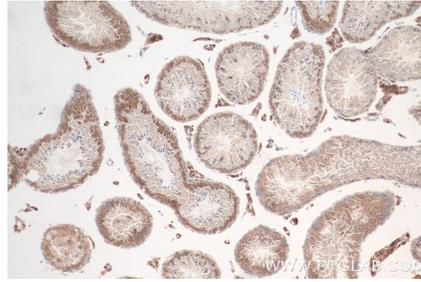
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

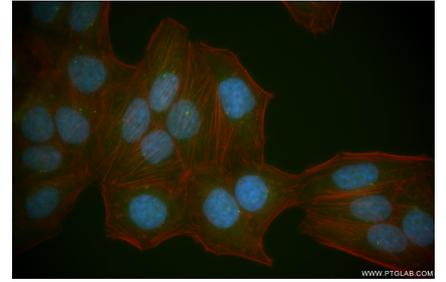
## Selected Validation Data



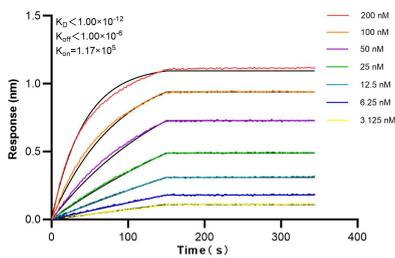
Various lysates were subjected to SDS PAGE followed by western blot with 80965-5-RR (CP110 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 80965-5-RR (CP110 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CP110 antibody (80965-5-RR, Clone: 242016E10) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 80965-5-RR against Human CP110 were performed. The affinity constant is below 1 pM.