

For Research Use Only

CP110 Recombinant antibody

Catalog Number:80965-5-RR



Basic Information

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

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

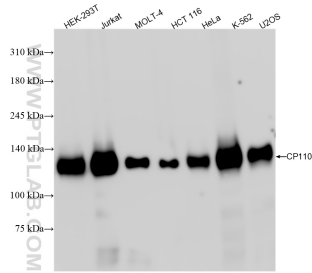
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E: Proteintech-CN@ptglab.com

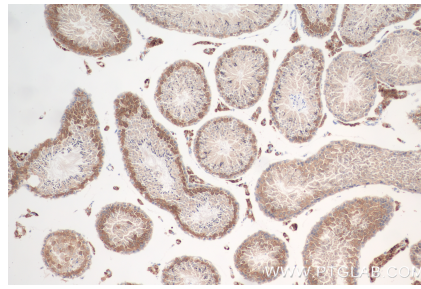
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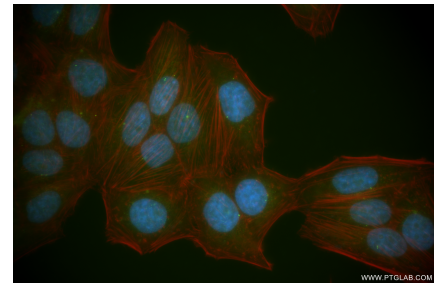
Selected Validation Data



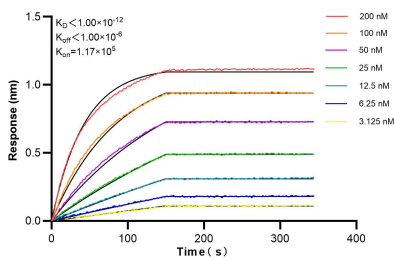
Various lysates were subjected to SDS PAGE followed by western blot with 80965-5-RR (CP110 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.