

For Research Use Only

CCT5 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84310-2-PBS



Basic Information

Catalog Number:	84310-2-PBS	GenBank Accession Number:	BC035499	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	22948	CloneNo.:	241510B3
Source:	Rabbit	UNIPROT ID:	P48643		
Isotype:	IgG	Full Name:	chaperonin containing TCP1, subunit 5 (epsilon)		
Immunogen Catalog Number:	AG2146	Calculated MW:	541 aa, 60 kDa		
		Observed MW:	60 kDa		

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Background Information

CCT5 is a subunit of chaperonin containing TCP1 complex that is also known as the TCP1 ring complex (TRiC). CCT5 involves enhancing Wnt/ β -catenin signalling activity in GCs through abrogating the interaction between E-cadherin and β -catenin (PMID: 35194191). The expression levels of CCT5 have been found to be upregulated in types of cancers, including breast cancer, colon cancer, lung cancer, glioblastoma, hepatocellular carcinoma and ovarian cancer (PMID: 36768350). Human CCT5 consist of 541 amino acids organized in β -sheets and α -helixes distributed into three domains and has a predicted molecular weight of 60 kDa.

Storage

Storage:
Store at -80°C .
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

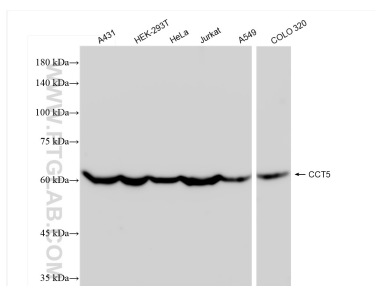
T: 4006900926

E: Proteintech-CN@ptglab.com

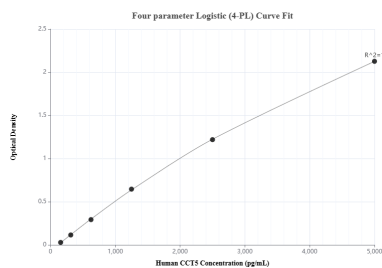
W: ptgcn.com

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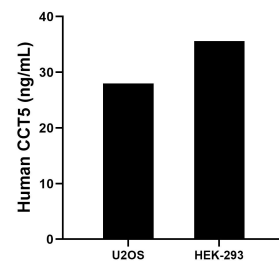
Selected Validation Data



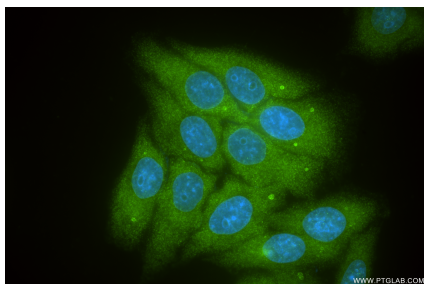
Various lysates were subjected to SDS PAGE followed by western blot with 84310-2-RR (CCT5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84310-2-PBS in a different storage buffer formulation.



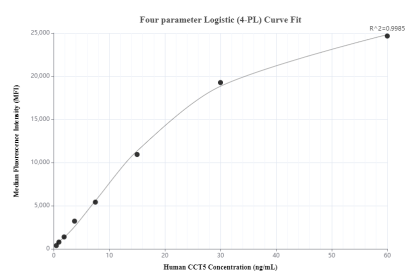
Sandwich ELISA standard curve of MP01209-1, Human CCT5 Recombinant Matched Antibody Pair - PBS only. 84310-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag2146. 84310-1-PBS was HRP conjugated as the detection antibody. Range: 156-5000 pg/mL



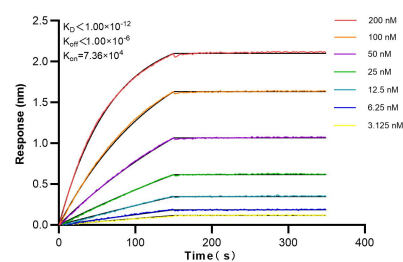
The mean CCT5 concentration was determined to be 28.01 ng/mL in U2OS cell extract based on a 3.1 mg/mL extract load and 35.60 ng/mL in HEK-293 cell extract based on a 2.0 mg/mL extract load.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CCT5 antibody (84310-2-RR, Clone: 241510B3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84310-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01209-1, CCT5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84310-2-PBS. Detection antibody: 84310-1-PBS. Standard: Ag2146. Range: 0.469-60 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84310-2-RR against Human CCT5 were performed. The affinity constant is below 1 pM.