

For Research Use Only

CCT5 Monoclonal antibody

Catalog Number: 67400-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number: 67400-1-Ig	GenBank Accession Number: BC035499	Purification Method: Protein G purification
Size: 150ul, Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22948	CloneNo.: 1B12E10
Source: Mouse	UNIPROT ID: P48643	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: chaperonin containing TCP1, subunit 5 (epsilon)	
Immunogen Catalog Number: AG21421	Calculated MW: 541 aa, 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells IHC : human skin cancer tissue, IF/ICC : U2OS cells, HepG2 cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ashley Segura-Roman	39211170	bioRxiv	WB
Yuichi Yagita	37480851	Cell	WB

Storage

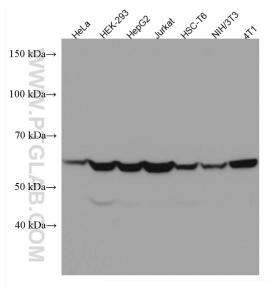
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

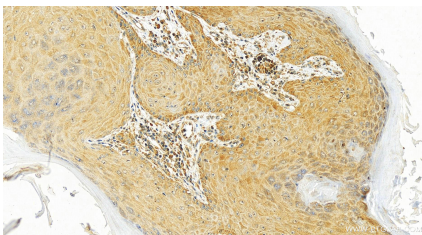
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

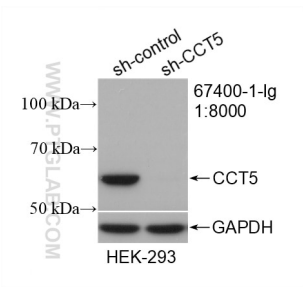
Selected Validation Data



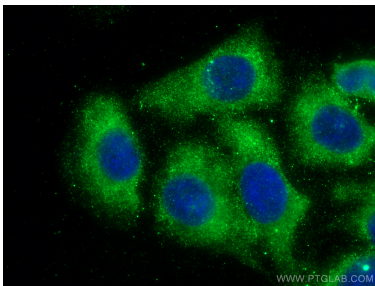
Various lysates were subjected to SDS PAGE followed by western blot with 67400-1-Ig (CCT5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 67400-1-Ig (CCT5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of CCT5 antibody (67400-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCT5 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CCT5 antibody (67400-1-Ig, Clone: 1B12E10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).