

For Research Use Only

# CCT5 Monoclonal antibody

Catalog Number: 67400-1-Ig

Featured Product

1 Publications



## Basic Information

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

## Applications

### Tested Applications:

IF, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IF : U2OS cells, HepG2 cells

## 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/ $\beta$ -catenin signalling activity in GCs through abrogating the interaction between E-cadherin and  $\beta$ -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  $\beta$ -sheets and  $\alpha$ -helixes distributed into three domains and has a predicted molecular weight of 60 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
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

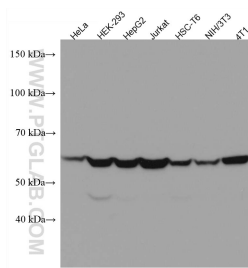
For technical support and original validation data for this product please contact:

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

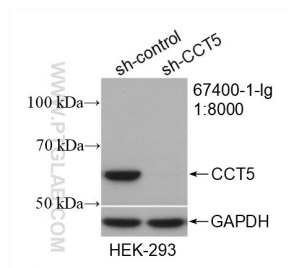
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

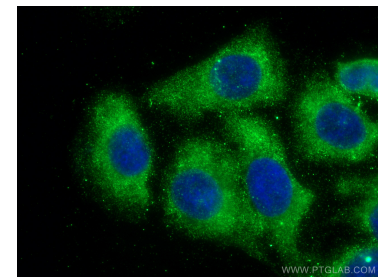
## Selected Validation Data



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



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).