

For Research Use Only

# CCT5 Polyclonal antibody

Catalog Number: 11603-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

11603-1-AP

### Size:

450 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2146

### GenBank Accession Number:

BC035499

### GeneID (NCBI):

22948

### UNIPROT ID:

P48643

### Full Name:

chaperonin containing TCP1, subunit 5 (epsilon)

### Calculated MW:

541 aa, 60 kDa

### Observed MW:

60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, chicken

**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** : COLO 320 cells, HeLa cells, HEK-293 cells, A431 cells

**IP** : HeLa cells,

**IHC** : human colon cancer tissue, mouse colon tissue

## 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
Xiaohan Zhang	33178142	Front Microbiol	WB, IF
Yiliang Meng	34217974	Biochem Biophys Res Commun	WB, IHC, IF
Yu-Cheng Zhang	33475699	J Cell Biol	WB, IF

## 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:

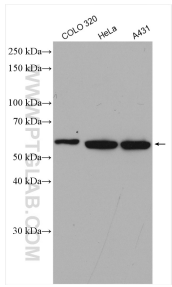
T: 4006900926

E: Proteintech-CN@ptglab.com

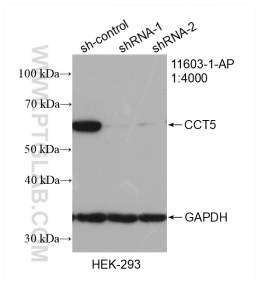
W: ptgcn.com

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

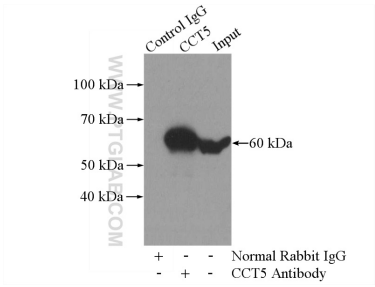
Selected Validation Data



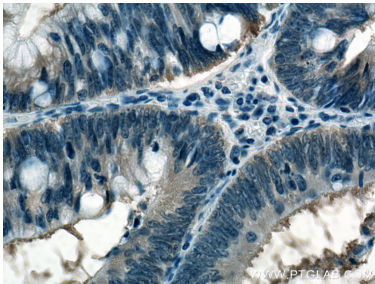
Various lysates were subjected to SDS PAGE followed by western blot with 11603-1-AP (CCT5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



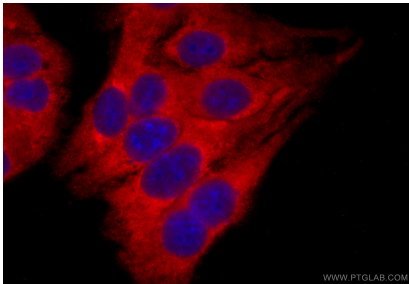
WB result of CCT5 antibody (11603-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCT5 transfected HEK-293 cells.



IP result of anti-CCT5 (IP:11603-1-AP, 4ug; Detection:11603-1-AP 1:1000) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11603-1-AP (CCT5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CCT5 antibody (11603-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).