

For Research Use Only

CCT5 Monoclonal antibody, PBS Only

Catalog Number: 67400-1-PBS

Featured Product



Basic Information

Catalog Number:

67400-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG21421

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:

Protein G purification

CloneNo.:

1B12E10

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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.

Storage Buffer:

PBS Only

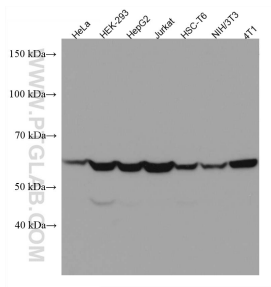
For technical support and original validation data for this product please contact:

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

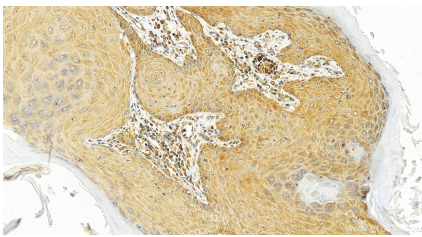
E: proteintech@ptglab.com
W: ptglab.com

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

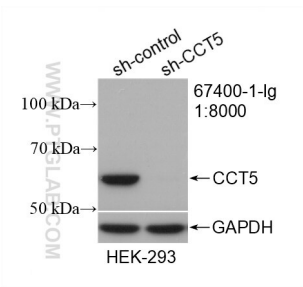
Selected Validation Data



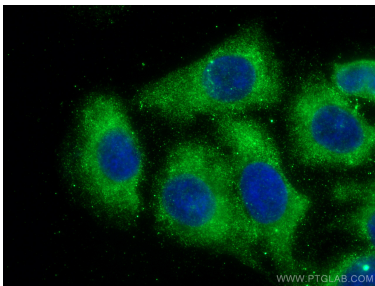
Various lysates were subjected to SDS PAGE followed by western blot with 67400-1-Ig (CCT5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67400-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67400-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 67400-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67400-1-PBS in a different storage buffer formulation.