

For Research Use Only

CCT7 Polyclonal antibody

Catalog Number: 15994-1-AP **7 Publications**



Basic Information

Catalog Number:

15994-1-AP

Size:

240 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8868

GenBank Accession Number:

BC019296

GeneID (NCBI):

10574

UNIPROT ID:

Q99832

Full Name:

chaperonin containing TCP1, subunit 7 (eta)

Calculated MW:

543 aa, 59 kDa

Observed MW:

59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells, human brain tissue

IP: HEK-293 cells,

IF: MCF-7 cells,

Background Information

CCT7 is a subunit of CCT complex—a large cytosolic chaperonin complex composed of two hetero-oligomeric stacked rings able to interact with nascent polypeptides, which mediates protein folding in an ATP-dependent manner and prevents aggregation in eukaryotes. Each ring consists of eight different subunits (CCT1 to CCT8). CCT7 is involved in preventing aggregation of GPCRs and in regulating their expression, maturation, and transport to the cell surface.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongyu Chen	36404333	Clin Proteomics	WB
Erika C Urdaneta	30824702	Nat Commun	WB
Adela S Oliva Chávez	34140472	Nat Commun	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

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

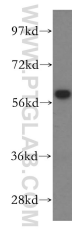
T: 4006900926

E: Proteintech-CN@ptglab.com

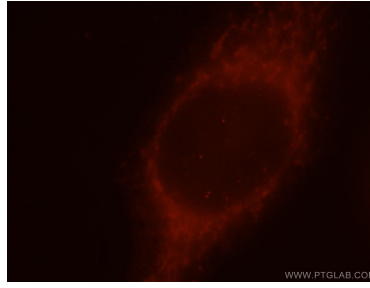
W: ptgcn.com

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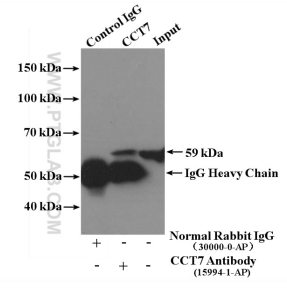
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15994-1-AP (CCT7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using CCT7 antibody 15994-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-CCT7 (IP:15994-1-AP, 4ug; Detection:15994-1-AP 1:1000) with HEK-293 cells lysate 2400ug.