

For Research Use Only

CCT7 Polyclonal antibody

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



Basic Information

Catalog Number: 15994-1-AP	GenBank Accession Number: BC019296	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 240 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10574	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: chaperonin containing TCP1, subunit 7 (eta)	IF 1:10-1:100
Isotype: IgG	Calculated MW: 543 aa, 59 kDa	
Immunogen Catalog Number: AG8868	Observed MW: 59 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HeLa cells, human brain tissue
Cited Applications: CoIP, IHC, WB	IP : HEK-293 cells,
Species Specificity: human, mouse, rat	IF : MCF-7 cells,
Cited Species: human, mouse	

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

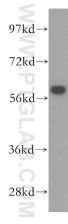
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

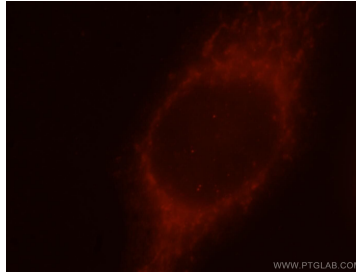
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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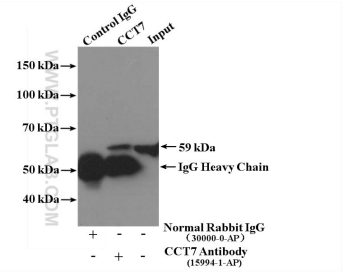
Selected Validation Data



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.