

For Research Use Only

# CCT7 Monoclonal antibody

Catalog Number: 67540-1-Ig

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 67540-1-Ig	<b>GenBank Accession Number:</b> BC019296	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10574	<b>CloneNo.:</b> 2C1G1
<b>Source:</b> Mouse	<b>Full Name:</b> chaperonin containing TCP1, subunit 7 (eta)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 543 aa, 59 kDa	
<b>Immunogen Catalog Number:</b> AG9502	<b>Observed MW:</b> 59 kDa	

## Applications

### Tested Applications:

IF, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, mouse

### Cited Species:

human

### Positive Controls:

WB : A549 cells, NIH/3T3 cells, HEK-293 cells, LNCaP cells, HeLa cells, HepG cells, Jurkat cells, K-562 cells

IF : U2OS 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
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

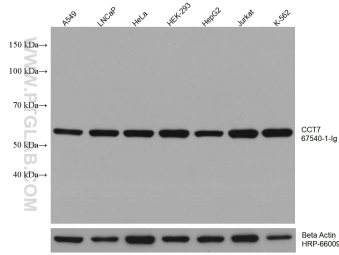
For technical support and original validation data for this product please contact:

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

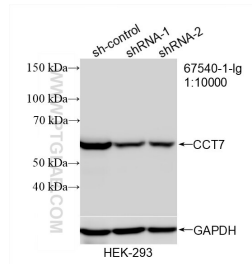
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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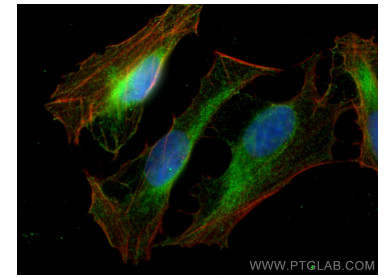
## Selected Validation Data



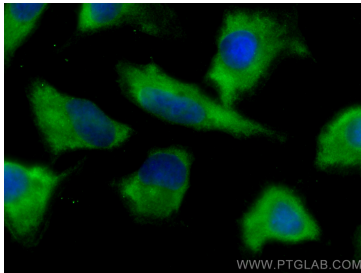
Various lysates were subjected to SDS PAGE followed by western blot with 67540-1-Ig (CCT7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



WB result of CCT7 antibody (67540-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCT7 transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CCT7 antibody (67540-1-Ig, Clone: 2C1G1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CCT7 antibody (67540-1-Ig, Clone: 2C1G1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).