

For Research Use Only

# CCT2 Monoclonal antibody

Catalog Number: 68214-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 68214-1-Ig	<b>GenBank Accession Number:</b> BC113516	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10576	<b>CloneNo.:</b> 2H6C7
<b>Source:</b> Mouse	<b>Full Name:</b> chaperonin containing TCP1, subunit 2 (beta)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 535 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG19264	<b>Observed MW:</b> 50-58 kDa	

## Applications

### Tested Applications:

IF, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, Mouse, Pig, Rabbit, Rat

### Cited Species:

mouse

### Positive Controls:

WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IF : NIH/3T3 cells,

## Background Information

CCT2 is a gene encoding a molecular chaperone that is a member of the chaperonin-containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). The switch of CCT2's role from a chaperonin to a specific aggregophagy receptor is achieved by CCT2 monomer formation. CCT2 functions independently of ubiquitin and the TRiC complex to facilitate the autophagic clearance of solid protein aggregates. CCT2 has 2 isoforms with a molecular mass of 53 and 57 kDa. (PMID: 35699934)

## Notable Publications

Author	Pubmed ID	Journal	Application
Joshua Linnert	37427378	Front Cell Dev Biol	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

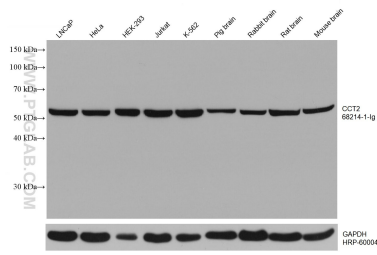
For technical support and original validation data for this product please contact:

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

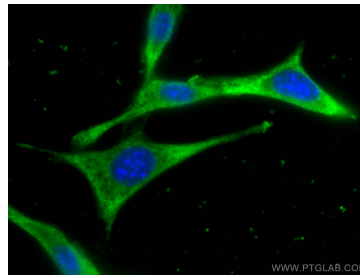
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68214-1-Ig (CCT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CCT2 antibody (68214-1-Ig, Clone: 2H6C7) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).