

For Research Use Only

# CCT2 Polyclonal antibody

Catalog Number: 24896-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 24896-1-AP	<b>GenBank Accession Number:</b> BC113516	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 473 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10576	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> chaperonin containing TCP1, subunit 2 (beta)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 535 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG19264	<b>Observed MW:</b> 50-58 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, NIH/3T3 cells, Jurkat cells IF : NIH/3T3 cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## 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 the molecular mass of 53 and 57 kDa. (PMID: 35699934)

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiale Zhu	35513225	Pharmacol Res	WB
Yu-Cheng Zhang	33475699	J Cell Biol	WB, IF
Boyuan Ma	37321990	Signal Transduct Target Ther	IF

## Storage

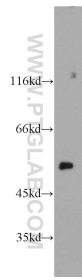
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

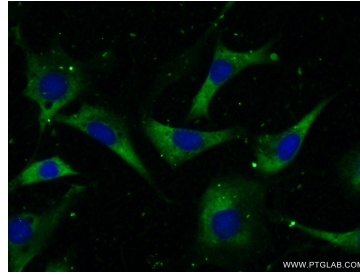
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 24896-1-AP (CCT2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 24896-1-AP (CCT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).