

For Research Use Only

CCT2 Monoclonal antibody

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



Basic Information

Catalog Number: 68214-1-Ig	GenBank Accession Number: BC113516	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 10576	CloneNo.: 2H6C7
Source: Mouse	UNIPROT ID: P78371	Recommended Dilutions: WB 1:5000-1:50000 IF 1:200-1:800
Isotype: IgG1	Full Name: chaperonin containing TCP1, subunit 2 (beta)	
Immunogen Catalog Number: AG19264	Calculated MW: 535 aa, 57 kDa	
	Observed MW: 50-58 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Cited Applications: WB	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
Species Specificity: Human, Mouse, Pig, Rabbit, Rat	IF : NIH/3T3 cells,
Cited Species: 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 aggrephagy 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

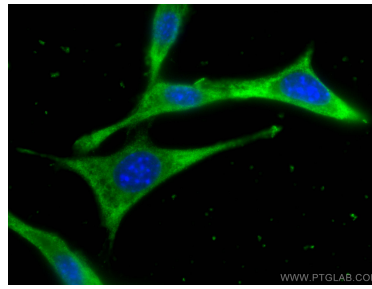
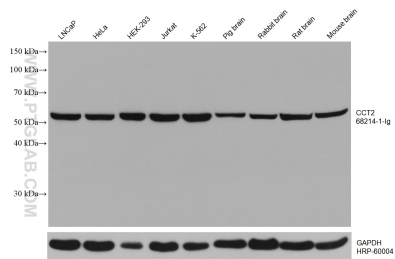
Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).