

For Research Use Only

CCT2 Monoclonal antibody, PBS Only



Catalog Number: 68214-1-PBS

Basic Information

Catalog Number: 68214-1-PBS	GenBank Accession Number: BC113516	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 10576	CloneNo.: 2H6C7
Source: Mouse	UNIPROT ID: P78371	
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:
WB,IF,ELISA

Species Specificity:
Human, Mouse, Pig, Rabbit, Rat

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)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

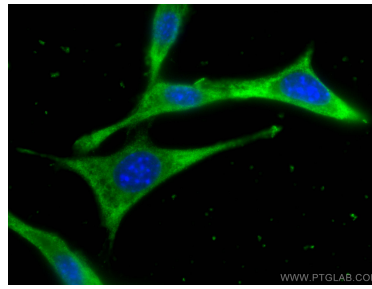
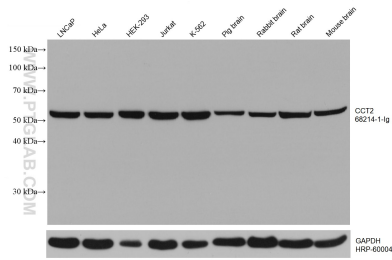
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 68214-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 68214-1-PBS in a different storage buffer formulation.