

For Research Use Only

CCT2 Monoclonal antibody, PBS Only

Catalog Number: 68214-1-PBS



Basic Information

Catalog Number:

68214-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19264

GenBank Accession Number:

BC113516

GeneID (NCBI):

10576

UNIPROT ID:

P78371

Full Name:

chaperonin containing TCP1, subunit 2 (beta)

Calculated MW:

535 aa, 57 kDa

Observed MW:

50-58 kDa

Purification Method:

Protein A purification

CloneNo.:

2H6C7

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.

Storage Buffer:

PBS only

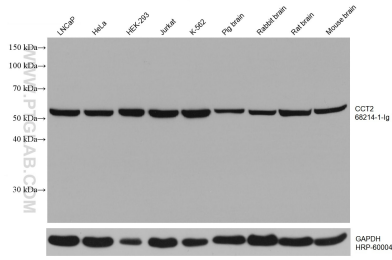
For technical support and original validation data for this product please contact:

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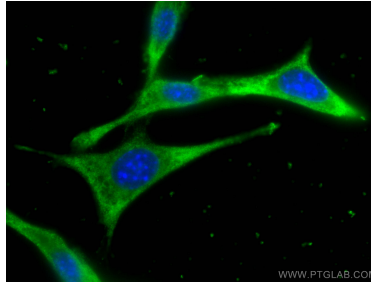
E: proteintech@ptglab.com
W: ptglab.com

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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. 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.