For Research Use Only

CCT4 Monoclonal antibody

Catalog Number:67455-1-Ig 1 Publications

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Basic Information

Catalog Number:
67455-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG17084

GenBank Accession Number:
BC106934

GeneID (NCBI):
10575

UNIPROT ID:
P50991

Full Name:
chaperonin containing TCP1, subunit 4 (delta)

Calculated MW:
539 aa, 58 kDa

Observed MW:
55-58 kDa

Purification Method:
Protein G purification

CloneNo.:
3C6A6

Recommended Dilutions:
WB: 1:5000-1:50000
IF/ICC: 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
IF

Species Specificity:
human, mouse, pig, rabbit

Cited Species:
human

Positive Controls:

WB : LNCaP cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, pig brain tissue, rabbit brain tissue, mouse brain tissue

IF/ICC : U2OS cells,

Background Information

T-complex protein 1 subunit delta (CCT4) is a component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis (PMID:25467444). As part of the TRiC complex, it may play a role in regulating telomere maintenance (PMID:25467444) and assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PMID:20080638). CCT4 has 2 isoforms produced by alternative splicing with the MW of 55 kDa and 58 kDa.

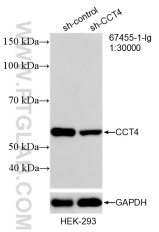
Notable Publications

Author	Pubmed ID	Journal	Application
Chuyu Wu	41090353	J Clin Invest	IF

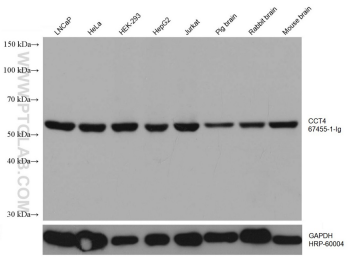
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

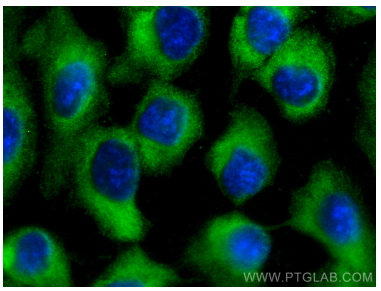
Selected Validation Data



WB result of CCT4 antibody (67455-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCT4 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 67455-1-Ig (CCT4 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 Methanol) fixed U2OS cells using CCT4 antibody (67455-1-Ig, Clone: 3C6A6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).