

For Research Use Only

# CCT4 Monoclonal antibody, PBS Only



Catalog Number: 67455-1-PBS

## Basic Information

<b>Catalog Number:</b> 67455-1-PBS	<b>GenBank Accession Number:</b> BC106934	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10575	<b>CloneNo.:</b> 3C6A6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P50991	
<b>Isotype:</b> IgG1	<b>Full Name:</b> chaperonin containing TCP1, subunit 4 (delta)	
<b>Immunogen Catalog Number:</b> AG17084	<b>Calculated MW:</b> 539 aa, 58 kDa	
	<b>Observed MW:</b> 55-58 kDa	

## Applications

**Tested Applications:**  
WB, IF, Indirect ELISA

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

## 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.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

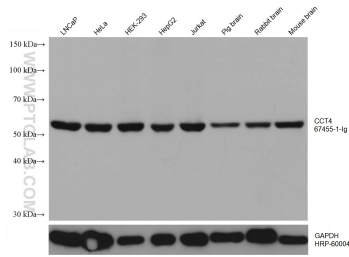
For technical support and original validation data for this product please contact:

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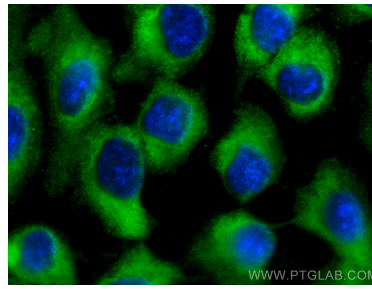
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## Selected Validation Data



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. This data was developed using the same antibody clone with 67455-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67455-1-PBS in a different storage buffer formulation.