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CCT2 Rabbit mAb

Catalog # AP76425

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	P78371
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	57488

Additional Information

Gene ID	10576
Other Names	CCT2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A FC~~1:10-1:100 IP~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

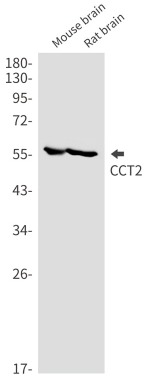
Name	CCT2 {ECO:0000303|PubMed:25467444, ECO:0000312|HGNC:HGNC:1615}
Function	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of actin, tubulin and other proteins upon ATP hydrolysis (PubMed:25467444, PubMed:36493755, PubMed:35449234, PubMed:37193829). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed:25467444). As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638).
Cellular Location	Cytoplasm.

Background

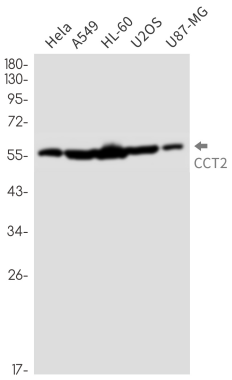
The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing

TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Two transcript variants encoding different isoforms have been found for this gene.

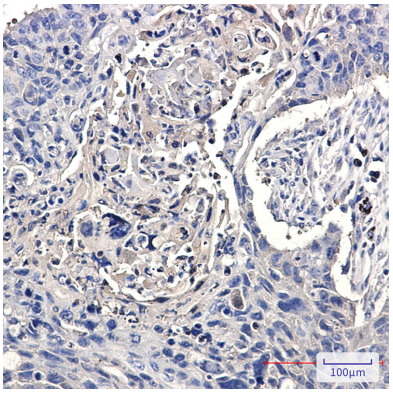
Images



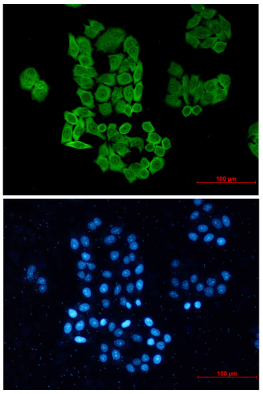
Western blot analysis of CCT2 in mouse brain, rat brain lysates using CCT2 antibody.



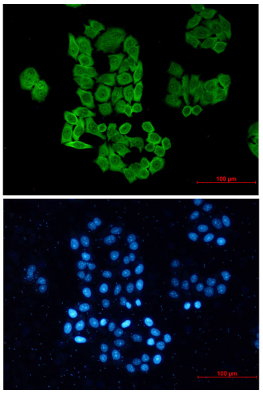
Western blot analysis of CCT2 in Hela, A549, HL-60, U2OS, U87-MG lysates using CCT2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CCT2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of CCT2 (green) in hela using CCT2 antibody,and DAPI(blue).



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