10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCT6B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CCT6B.
Catalog # AT1429a

Product Information

Application	WB, E
Primary Accession	Q92526
Other Accession	BC027591
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	1A4
Calculated MW	57821

Additional Information

Gene ID	10693
Other Names	T-complex protein 1 subunit zeta-2, TCP-1-zeta-2, CCT-zeta-2, CCT-zeta-like, TCP-1-zeta-like, Testis-specific Tcp20, Testis-specific protein TSA303, CCT6B
Target/Specificity	CCT6B (AAH27591, 1 a.a. ~ 530 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CCT6B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

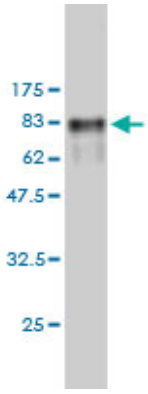
This gene encodes a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex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

References

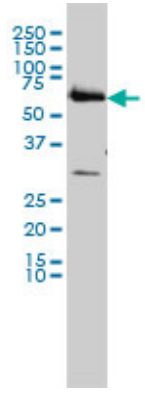
Chaperonin genes on the rise: new divergent classes and intense duplication in human and other vertebrate

genomes. Mukherjee K, et al. BMC Evol Biol, 2010 Mar 1. PMID 20193073.A PP2A phosphatase high density interaction network identifies a novel striatin-interacting phosphatase and kinase complex linked to the cerebral cavernous malformation 3 (CCM3) protein. Goudreault M, et al. Mol Cell Proteomics, 2009 Jan. PMID 18782753.PhLP3 modulates CCT-mediated actin and tubulin folding via ternary complexes with substrates. Stirling PC, et al. J Biol Chem, 2006 Mar 17. PMID 16415341.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

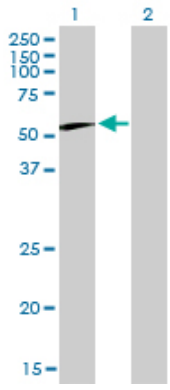
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (84.04 KDa) .

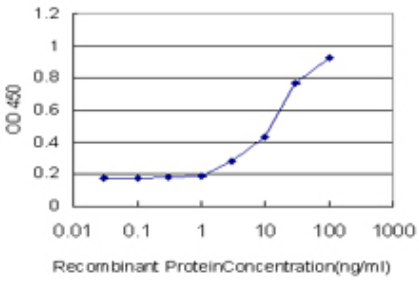


CCT6B monoclonal antibody (M01), clone 1A4 Western Blot analysis of CCT6B expression in HL-60 ((Cat # AT1429a)



Western Blot analysis of CCT6B expression in transfected 293T cell line by CCT6B monoclonal antibody (M01), clone 1A4.

Lane 1: CCT6B transfected lysate(57.8 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CCT6B is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.