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CCT5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CCT5.
Catalog # AT1428a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P48643
Other Accession	BC006543
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4E5-4B1
Calculated MW	59671

Additional Information

Gene ID	22948
Other Names	T-complex protein 1 subunit epsilon, TCP-1-epsilon, CCT-epsilon, CCT5, CCTE, KIAA0098
Target/Specificity	CCT5 (AAH06543, 1 a.a. ~ 541 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 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	CCT5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

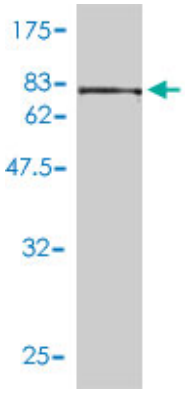
Background

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. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. In addition, three pseudogenes of this gene have been identified.

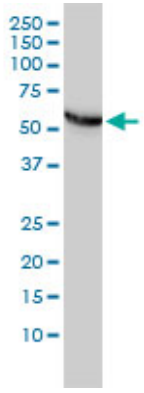
References

1.Evaluation of formalin-fixed paraffin-embedded tissues in the proteomic analysis of parathyroid glands.Donadio E, Giusti L, Cetani F, Da Valle Y, Ciregia F, Giannaccini G, Pardi E, Saponaro F, Torregrossa L, Basolo F, Marcocci C, Lucacchini A.Proteome Sci. 2011 Jun 8;9(1):29.2.A proteomic approach to study parathyroid glands.Giusti L, Cetani F, Ciregia F, Da Valle Y, Donadio E, Giannaccini G, Banti C, Pardi E, Saponaro F, Basolo F, Berti P, Miccoli P, Pinchera A, Marcocci C, Lucacchini A.Mol Biosyst. 2011 Mar;7(3):687-99. Epub 2010 Dec 21.3.Chaperonin TRiC/CCT participates in replication of hepatitis C virus genome via interaction with the viral NS5B protein.Inoue Y, Aizaki H, Hara H, Matsuda M, Ando T, Shimoji T, Murakami K, Masaki T, Shoji I, Homma S, Matsuura Y, Miyamura T, Wakita T, Suzuki T.Virology. 2010 Nov 17. [Epub ahead of print]

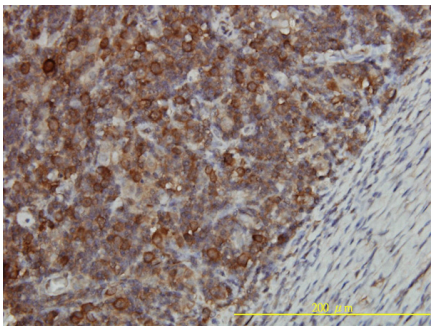
Images



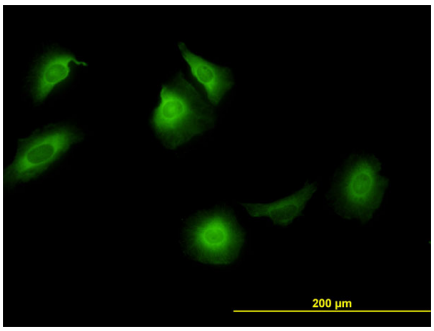
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (85.25 KDa) .



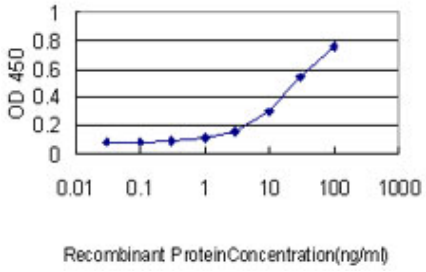
CCT5 monoclonal antibody (M01), clone 4E5-4B1 Western Blot analysis of CCT5 expression in Hela ((Cat # AT1428a)



Immunoperoxidase of monoclonal antibody to CCT5 on formalin-fixed paraffin-embedded human lymphoma tissue. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to CCT5 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged CCT5 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'.