

CCT5 Antibody (monoclonal) (M01)

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

Specification

CCT5 Antibody (monoclonal) (M01) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW IF, WB, IHC, E P48643 BC006543 Human mouse Monoclonal IgG1 kappa 59671

CCT5 Antibody (monoclonal) (M01) - 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

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.

CCT5 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry



- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

CCT5 Antibody (monoclonal) (M01) - Images



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



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

250 - 150 - 100 - 75 -
50 🗕 🔷 🗲
37 -
25-
20 -
15-
10-

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]





Detection limit for recombinant GST tagged CCT5 is approximately 0.3ng/ml as a capture antibody.

CCT5 Antibody (monoclonal) (M01) - 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.

CCT5 Antibody (monoclonal) (M01) - 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]