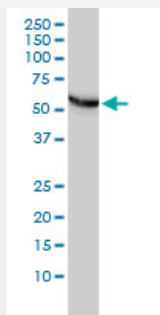


CCT5 monoclonal antibody (M01), clone 4E5-4B1

Catalog # H00022948-M01

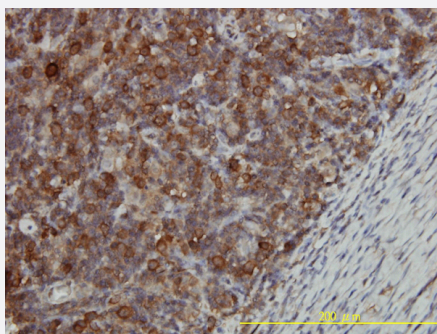
Size 100 ug

Applications



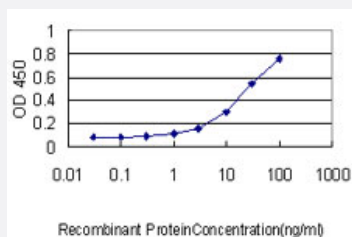
Western Blot (Cell lysate)

CCT5 monoclonal antibody (M01), clone 4E5-4B1 Western Blot analysis of CCT5 expression in Hela (Cat # L013V1).



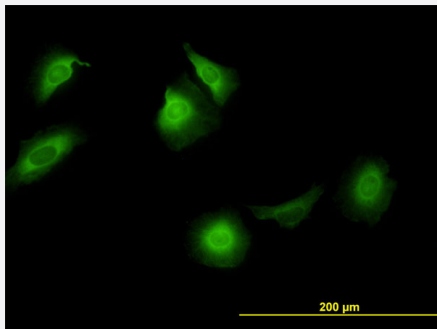
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



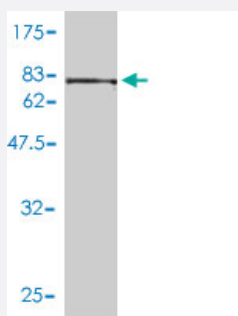
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (85.25 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CCT5.
Immunogen	CCT5 (AAH06543, 1 a.a. ~ 541 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASMGTLAFDEYGRPFLIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGPNGLDKMMVVDK DGDVTVTNDGATILSMMDVDHQAALMVLSKSDQDEIGDGTGTVVLAGALLEEAEQLLDRIH PIRIADGYEQAAARVAIEHLDKISDSVLVDIKDTEPLIQTAKTTLGSKVVNSCHRQMAEIAVNAVLTVA DMERRDVDFELIKVEGKVGGRLDTKLKGVVDKDFSHQPMKKVEDAKIALTCPEPPKPKTK HKLDVTSVEDYKALQKYEKEKFEEMIQQIKETGANLAICQWGFDDDEANHLLQNNLPAVRWVGGP EIELIAIATGGRIVPRFSELTAEKLGFAGLVQEISFGTTKDKMLVIEQCKNSRAVTIFIRGGNKMIIIEAK RSLHDALCVIRNLIRDNRVYGGGAAEISCALAVSQEADKCPTLEQYAMRAFADALEVIPMALSEN SGMNPQTMTEVRARQVKEMNPALGIDCLHKGTNDMKQQHVETLIGKKQQISLATQMVRMILKIDDI RKPGSEEE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (85.25 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CCT5 monoclonal antibody (M01), clone 4E5-4B1 Western Blot analysis of CCT5 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — CCT5

Entrez GeneID[22948](#)**GeneBank Accession#**[BC006543](#)**Protein Accession#**[AAH06543](#)**Gene Name**

CCT5

Gene Alias

CCT-epsilon, CCTE, KIAA0098, TCP-1-epsilon

Gene Description	chaperonin containing TCP1, subunit 5 (epsilon)
Omim ID	256840 610150
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a molecular chaperone that is 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. [provided by RefSeq]
Other Designations	T-complex protein 1, epsilon subunit chaperonin containing TCP1, epsilon

Publication Reference

- [Interaction with the CCT chaperonin complex limits APOBEC3A cytidine deaminase cytotoxicity.](#)

Abby M Green, Rachel A DeWeerd, David R O'Leary, Ava R Hansen, Katharina E Hayer, Katarzyna Kulej, Ariel S Dineen, Julia H Szeto, Benjamin A Garcia, Matthew D Weitzman.

EMBO reports 2021 Sep; 22(9):e52145.

Application: IP, WB-Tr, Human, CEM, HEK 293T, HepaRG, K-562, MDA-MB-231, Ramos, U-2 OS cells

- [TRiC controls transcription resumption after UV damage by regulating Cockayne syndrome protein A.](#)

Pines A, Dijk M, Makowski M, Meulenbroek EM, Vrouwe MG, van der Weegen Y, Baltissen M, French PJ, van Royen ME, Luijsterburg MS, Mullenders LH, Vermeulen M, Vermeulen W, Pannu NS, van Attikum H.

Nature Communications 2018 Mar; 9(1):1040.

Application: WB, Human, VH10-hTert cells

- [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 Science 2011 Jun; 9(1):29.

Application: WB-Ti, Human, Parathyroid adenoma

- [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.

Molecular BioSystems 2011 Mar; 7(3):687.

Application: WB-Ti, Human, Parathyroid

- [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 2011 Feb; 410(1):38.

Application: WB-Ce, WB-Tr, Human, RCYM1, JFH-1, SGR, Huh-7.5.1 cells

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)
- [Myopia](#)