

Datasheet

CCT2 monoclonal antibody (M01), clone 2G6

Catalog Number: H00010576-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant CCT2.

Clone Name: 2G6

Immunogen: CCT2 (NP_006422, 117 a.a. ~ 217 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

IAKKIHPQTIIAGWREATKAAREALLSSAVDHGSDEVKF
RQDLMNIAAGTTLSSKLLTHHKDHFTKLAVEAVLRKGS
GNLEAIHIIKKLGGSLADSYLDEG

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 10576

Gene Symbol: CCT2

Gene Alias: 99D8.1, CCT-beta, CCTB, MGC142074, MGC142076, PRO1633, TCP-1-beta

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 the gene described in this record have been observed but have not been thoroughly characterized. [provided by RefSeq]

References:

1. Reconstitution of the human chaperonin CCT by co-expression of the eight distinct subunits in mammalian cells. Machida K, Masutani M, Kobayashi T, Mikami S, Nishino Y, Miyazawa A, Imataka H. Protein Expr Purif. 2011 Nov 22.
2. BBS6, BBS10, and BBS12 form a complex with CCT/TRiC family chaperonins and mediate BBSome assembly. Seo S, Baye LM, Schulz NP, Beck JS, Zhang Q, Slusarski DC, Sheffield VC. Proc Natl Acad Sci U S A. 2010 Jan 4. [Epub ahead of print]