

Datasheet

TCP1 monoclonal antibody (M01), clone 2B2-D6

Catalog Number: H00006950-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant TCP1.

Clone Name: 2B2-D6

Immunogen: TCP1 (AAH00665, 1 a.a. ~ 556 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MEGPLSVFGDRSTGETIRSQNVMAAASIANIVKSSFGP
VGLDKMLVDDIGDVTITNDGATILKLEVEHPAAKVLCE
LADLQDKEVGDGTTSVVIAAELLKNADELVKQKIHPTS
VISGYRLACKEAVRYINENLIVNTDELGRDCLINAAKTS
MSSKIINGINGDFFANMVVDAVLAIKYTDIRGQPRYPVNS
VNILKAHGRSQMESMLISGYALNCVVGSGQGMKPRIVN
AKIACLDLFLQTKMKLGVQVVITDPEKLDQIRQRESDI
TKERIQKILATGANVILTTGGIDDMCLKYFVEAGAMAVR
RVLKRDLEKRIKASGATILSTLANLEGEETFEAAMLGQ
AEEVVQERICDDELILIKNTKARTSASIILRGANDFMCD
EMERSLHDALCVVKRVLESKSVVPGGGAVEAALSIIYLE
NYATSMGSREQLAIAEFARSLLVIPNTLAVNAAQDSTD
LVAKLRAFHNAAQVNPERKNLKWIGLDLSNGKPRDNK
QAGVFPEPTIVKVKSLKFATEAAITLRIDDLIKLHPESKD
DKHGSYEDAVHSGALND

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, 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: 6950

Gene Symbol: TCP1

Gene Alias: CCT-alpha, CCT1, CCTa, D6S230E, TCP-1-alpha

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, encoding different isoforms, have been characterized. [provided by RefSeq]

References:

1. 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]