

Datasheet

MYLK MaxPab mouse polyclonal antibody (B01)

Catalog Number: H00004638-B01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human MYLK protein.

Immunogen: MYLK (ENSP00000355024, 1 a.a. ~ 992 a.a) full-length human protein.

Sequence:

MDFRANLQRQVKPKTVSEERKVVHSPQQVDFRSVLA
KKGTSKTPVPEKVPVPPKATPDFRSVLGGKKKLPAEN
GSSSAETLNAKAVESSKPLSNAQPSGPLKPVGNAKPA
ETLKPMGNAKPAETLKPMGNAKPDENLKSASKEELKK
DVKNDVNCKRGHAGTTDNEKRSESQGTAPAFKQKLQ
DVHVAEGKKLLQCVSSDPPATIIWTLNGKTLTKFI
ILSQEGSLCSVSIEKALPEDRGLYKCVAKNDAGQAEC
CQVTVDDAPASENTKAPEMKSRPKSSLPPVLGTESD
ATVKKKPAPKTPPKAAMPPQIIQFPEDQKVRAGESVEL
FGKVTGTQIPITCTWMKFRKQIQESEHMKVENSEGSK
LTLAARQEHCGCYTLLVENKLGSRAQVNLTVVDKPD
PPAGTPCASDIRSSSLTWSYGSSYDGGSAVQSYSIEI
WDSANKTWKELATCRSTSFNVQDLLPDHEYKFRVRAI
NVYGTSEPSQESELTTVGEKPEEPKDEVEVSDDDEKE
PEVDYRTVTINTEQKVSDFYDIEERLGSFGQVFRV
EKKTRKVWAGKFFKAYSAKEKENIRQEISIMNCLHHPK
LVQCVDAFEKANIVMVLEIVSGGELFERIIDEDFELTE
RECIKYMRISEGVYIHKQGVHLDLKPENIMCVNKTG
TRIKLIDFGLARLENAGSLKVLFGTPEFVAPEVINYEPI
GYATDMWSIGVICYILVSLSPFMGDNDNETLANVTS
TWFDFDEAFDEISDDAKDFISNLLKDKMKNRLDCTQCL
QHPWLMKDTKNMEAKKLSKDRMKKYMARRKWQKTG
NAVRAIGRLSSMAMISGLSGRKSSTGSPTSPLNAEKE
SEEDVSQAFLEAVAEKPHVKPYFSKTIRDLEVVEGSA
ARFDCIEGYDPDEVVWFKDDQSIRESRHFQIDYDED
GNCSLIISDVCGDDDAKYTCKAVNSLGEATCTAELIVET
MEEGEGEGEEEE

Host: Mouse

Reactivity: Human

Applications: WB-Ti, WB-Tr

(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

Storage Buffer: No additive

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

Entrez GeneID: 4638

Gene Symbol: MYLK

Gene Alias: DKFZp686l10125, FLJ12216, KRP, MLCK, MLCK1, MLCK108, MLCK210, MSTP083, MYLK1, smMLCK

Gene Summary: This gene, a muscle member of the immunoglobulin gene superfamily, encodes myosin light chain kinase which is a calcium/calmodulin dependent enzyme. This kinase phosphorylates myosin regulatory light chains to facilitate myosin interaction with actin filaments to produce contractile activity. This gene encodes both smooth muscle and nonmuscle isoforms. In addition, using a separate promoter in an intron in the 3' region, it encodes telokin, a small protein identical in sequence to the C-terminus of myosin light chain kinase, that is independently expressed in smooth muscle and functions to stabilize unphosphorylated myosin filaments. A pseudogene is located on the p arm of chromosome 3. Four transcript variants that produce four isoforms of the calcium/calmodulin dependent enzyme have been identified as well as two transcripts that produce two isoforms of telokin. Additional variants have been identified but lack full length transcripts. [provided by RefSeq]