

PPP2R1B mouse monoclonal antibody (hybridoma)

Catalog # H00005519-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PPP2R1B.
Immunogen	PPP2R1B (NP_002707.3, 1 a.a. ~ 601 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAGASELGTPGAAGGDGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSTIALALGVERTRSELLPFLTDTYDEDEVLLALAEQLGNFTGLVGGPDFAHCLLPLENLATVEETVVRDKAVESLRQISQEHTPVALEYFVPLVKRLASGDWFTSRTSACGLFSVCYPRASNAVKAEIRQQFRSLCSDDTPMVRRAASKLGEFAKVLELDSVKSENPFTSLASDEQDSVRLLAVEACVSIAQLLSQDDLETLMPTLRQA AEDKSWRVRYMVADRFSELQKAMGPKITLNDLIPAFQNLKDCAEVRAAAAHKV KELGENLP IEDRETIIMNQILPYKELVSDTNQHVKSALASVIMGLSTILGKENTIEHLLPLFLAQLKDECPDVRLNIISNLDCVNEVIGIRQLSQSLLPAMELAEDAKWRVRLAIEYMPLLAGQLGVEFFDEKLSLCAWLVDH VYAIREAATNNLMKLVQKFGTEWAQNTIVPKVLVMANDPNYLHRMTTLFCINALSEACGQEITTKQMLPIVLKMAGDQVANVRFNVAKSLQKIGPILDNALQGEVKPVLQKLGQDEDMDVKYFAQE AISV LALA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PPP2R1B

Entrez GeneID [5519](#)

GeneBank Accession# [NM_002716.3](#)

Protein Accession# [NP_002707.3](#)

Gene Name PPP2R1B

Gene Alias MGC26454, PR65B

Gene Description protein phosphatase 2 (formerly 2A), regulatory subunit A, beta isoform

Omim ID [211980 603113](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Defects in this gene could be the cause of some lung and colon cancers. At least two transcript variants encoding different isoforms have been found for this gene . [provided by RefSeq]

Other Designations PP2A, subunit A, PR65-beta isoform|PP2A, subunit A, R1-beta isoform|PP2A-A-beta|beta isoform of regulatory subunit A, protein phosphatase 2|protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform|protein phosphatase 2, structural/r

Pathway

- [Long-term depression](#)
- [TGF-beta signaling pathway](#)
- [Tight junction](#)

- [Wnt signaling pathway](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Uterine Cervical Neoplasms](#)