

INPP5B mouse monoclonal antibody (hybridoma)

Catalog # H00003633-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant INPP5B.
Immunogen	INPP5B (AAH58932.1, 1 a.a. ~ 748 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDQSVAIQETLAEGEYCVIAVQGVLCESRQSRLLGLVRYRLEHGGQEHALFLYTHRRMAITGDDVSLDQMPVSRDFTLEEVSPDGELYILGSDVTVQLDTAELSLVFQLPFGSQTRMFLHEVARACPGFDSATRDPEFLWLSRYRCAELEEMPTPRGCNSALVTWPGYATIGGGGSNFDGLRPNGKGVPMQSSSRGQDKPESLQPRQNKSKSEITDMVRSSTITVSDKAHILSMQKFLGRDITVKSLLQKEEDYTIQNFRFFAGTYNVNGQSPKECLRLWLSNGIQAPDVYCVGFQELDSLKEAFFFHDTTPKEEEWFKAVSEGLHPDAKYAKVKLIRLVGIMLLLYVQEHAAAYISEVEAETVGTGIMGRMGNGGGVAIRFQFHNTSICVVNSHLAAHIEEYERRNQDYKDICSRMQFCQPDPSLPPLTISNHDVILWLGDLNYRIEELDV EKVKKLIEEKDFQMLYAYDQLKIQVAAKTVFEGFTEGELTFQPTYKYDTGSDDWDTSEKCRAPAWCDRILWKGKNITQLSYQSHMALKTSDHKPVSSVFDIGVRVVNDELYRKLEEVRSCLKMENANIPSVLSKREFCFQNVKYMQLKVESFTIHNGQVPCHFEFINKPDEESYCKQWLNANPSRGFLLPDSDVEIDLELFFVNKTTATKLNSGEDKIEDILVLHLDRGKDYFLSVSGNYLPSCFGSPIHTLCYMRPILDLPLETISELLAYLAAYCFETQLVTKSLI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (86)
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 — INPP5B

Entrez GeneID [3633](#)

GeneBank Accession# [BC058932.1](#)

Protein Accession# [AAH58932.1](#)

Gene Name INPP5B

Gene Alias 5PTase, MGC65156, MGC71303

Gene Description inositol polyphosphate-5-phosphatase, 75kDa

Omim ID [147264](#)

Gene Ontology [Hyperlink](#)

Gene Summary Cellular calcium signaling is controlled by the production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). This gene encodes the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq]

Other Designations OTTHUMP00000004726|phosphoinositide 5-phosphatase|type II inositol-1,4,5-trisphosphate 5-phosphatase

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Disease](#)
- [Genetic Predisposition to Disease](#)