

MaxPab®

PLCB1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00023236-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PLCB1 protein.
Immunogen	PLCB1 (ADR83291.1, 1 a.a. ~ 1173 a.a) full-length human protein.
Sequence	MAGAQPGVHALQLKPVCVSDSLKKGTKFVKWDDSDSTIVTPILRTDPQGFFFYWTDQNKETELLD LSLVKDARCGRHAKAPKDPKLRELLDVGNIGRLEQRMITVVYGPDLVNISHLNLVAFQEEVAKEW TNEVFSLATNLLAQNMSRDAFLEKAYTKLKLQVTPEGRIPLKNYRLFSADRKRVTALEACSLPSS RND SIPQEDFTPEVYRVFLNNLCPRPEIDNIFSEFGAKSKPYLTVDQMMDFINLKQRDPRLNEILYP PLKQEQVQV LIEKYEPNNSLARKGQISVDGFMRYLSGEENG VVSPEKLDLNEDMSQPLSHYFINS SHNTYLTAGQLAGNSSVEMYRQVLLSGCRCVELDCWKGR TAE EEPVITHGFTMTTEISFKEVIEAI AEC AFTSPFPILLSFENHVDSPKQQA KMAEYCRLIFGDALLMEPLEKYPLESGVPLPSPMDLMY KILVKNKKKSHKSSESGGKKLSEQASNTYSDSSSMFEPSSPGAGEADTESDDDDDDDDCKKS SMDEGTAGSEAMATEEMSNLVNYQPVKFESFEISKRNKSFEMSSFVETKGLEQLTKSPVEFVE YNKMQLSRYPKGTRVDSSNYMPQLFWNAGCQMVALNFQTMDLAMQINMGMYEYNGKSGYRLKP EFMRRPDKHFDPFTEGIVDGNANTLSVKIISGQFLSDKKVGT YVEVDMFGLPVDTRRKAFKTKTS QGN AVNPVWEEEPVFKKVVLPTLACLRIAVYEEGGKFIGHRILPVQAIRPGYHYICLRNERNQPLTL PAVFVYIEVKDYVPD TYADVIEALSNPIRYVNLMEQRAKQLAALTLEDEEEVKKEADPGETPSEAP SEARTTPAENG VNH TTTLTPKPPSQALHSQPAPGSVKAPAKTEDLIQSVLTEVEAQ TIEELKQQKS FVKLQKKHYKEMKDLVKRHHKKTDLIKEHTTKYNEIQNDYLRRRAALEKSAKKDSKKKSEPSSP DHGSSTIEQDLAALDAEMTQKLIDLKDKQQQQLNL RQEQYYSEKYQKREHIKLLIQKLT DVAEEC QNNQLKKLKEICEKEKKELKKKMDKKRQEKITEAKSKDKSQMEEEEKTEMIRSYIQEVVQYIKRLEE AQSKRQEKLVEKHKEIRQQILDEKPKGEGSSSFLSETCHEDPSVSPNFTPPNPQALKW
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — PLCB1

Entrez GeneID [23236](#)

GeneBank Accession# [HQ258537.1](#)

Protein Accession# [ADR83291.1](#)

Gene Name PLCB1

Gene Alias FLJ45792, PI-PLC, PLC-154, PLC-I, PLC154

Gene Description phospholipase C, beta 1 (phosphoinositide-specific)

Omim ID [607120](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate|1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 1|OTTHUMP00000030237|OTTHUMP00000030238|OTTHUMP00000030239|PLC-beta-1|inositoltrisphosphohydrolase|monophosphatidylinositol phosphodiesterase|pho

Pathway

- [Calcium signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)

- [Inositol phosphate metabolism](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

Disease

- [Asthma](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)