

PLCB1 Antibody
Rabbit mAb
Catalog # AP92858**Specification****PLCB1 Antibody - Product Information**

Application	WB, IHC
Primary Accession	O9NQ66
Reactivity	Rat
Clonality	Monoclonal

Other Names

1 phosphatidylinositol 4, 5 bisphosphate phosphodiesterase beta 1; 1-phosphatidylinositol 4; EIEE12; Inositoltrisphosphohydrolase; Monophosphatidylinositol phosphodiesterase; Phosphb; Phosphoinositidase C ; Phosphoinositide phospholipase C; Phosphoinositide phospholipase C-beta 1; Phospholipase C beta 1 (phosphoinositide-specific); Phospholipase C I; Phospholipase C-beta-1; Phospholipase C-I; PI PLC; PLC 1; PLC beta 1; PLC-154; PLC-beta-1; PLC-I; PLC154; Plcb; Plcb1; PLCbeta1; Triphosphoinositide phosphodiesterase;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	138567 Da

PLCB1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PLCB1
Description	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PLCB1 Antibody - Protein Information**Name** PLCB1 ([HGNC:15917](#))**Synonyms** KIAA0581**Function**

Catalyzes the hydrolysis of 1-phosphatidylinositol 4,5- bisphosphate into diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) and mediates intracellular signaling downstream of G protein-

coupled receptors (PubMed:9188725). Regulates the function of the endothelial barrier.

Cellular Location

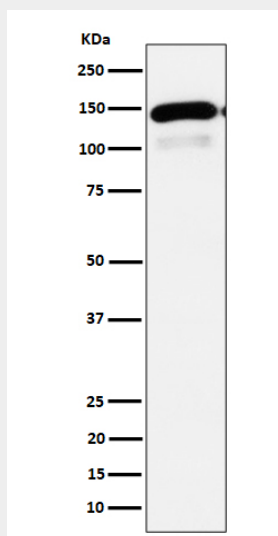
Nucleus membrane {ECO:0000250|UniProtKB:Q9Z1B3}. Cytoplasm {ECO:0000250|UniProtKB:P10687}. Note=Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes. {ECO:0000250|UniProtKB:Q9Z1B3}

PLCB1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLCB1 Antibody - Images



Western blot analysis of PLCB1 expression in HepG2 cell lysate.