

Anti-PLCB1 Rabbit Monoclonal Antibody
Catalog # ABO16318**Specification****Anti-PLCB1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	O9NQ66
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-PLCB1 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-PLCB1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 23236

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-1, 3.1.4.11, PLC-154, Phosphoinositide phospholipase C-beta-1, Phospholipase C-I, PLC-I, Phospholipase C-beta-1, PLC-beta-1, PLCB1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=15917), KIAA0581

Calculated MW

100 kDa, 150 kDa

Application Details

WB 1:500-1:2000 IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human PLCB1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-PLCB1 Rabbit Monoclonal Antibody - Protein Information

Name PLCB1 ([HGNC:15917](#))

Synonyms KIAA0581

Function

Catalyzes the hydrolysis of 1-phosphatidylinositol 4,5- biphosphate 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

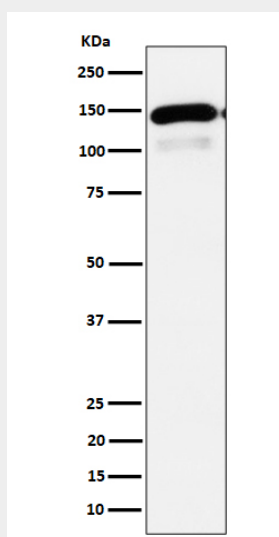
Nucleus membrane {ECO:0000250|UniProtKB:Q9Z1B3}. Cytoplasm {ECO:0000250|UniProtKB:P10687}. Note=Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes. {ECO:0000250|UniProtKB:Q9Z1B3}

Anti-PLCB1 Rabbit Monoclonal 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](#)

Anti-PLCB1 Rabbit Monoclonal Antibody - Images



Western blot analysis of PLCB1 expression in HepG2 cell lysate.