

Anti-PLCB1 Rabbit Monoclonal Antibody

Catalog # ABO16318

Product Information

Application	WB, IHC
Primary Accession	Q9NQ66
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.

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 (HGNC:15917), KIAA0581
Calculated MW	138567
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
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.
Clone Names	Clone: 28P54
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.

Protein Information

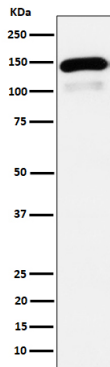
Name	PLCB1 (HGNC:15917)
Synonyms	KIAA0581
Function	Catalyzes the hydrolysis of 1-phosphatidylinositol 4,5- bisphosphate into

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}; Peripheral membrane protein {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}

Images



Western blot analysis of PLCB1 expression in HepG2 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.