

Phospholipase C beta 1/PLCB1 Rabbit mAb

Catalog # AP75908

Product Information

Application	WB, IHC-P
Primary Accession	Q9Z1B3
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	138396

Additional Information

Gene ID	18795
Other Names	Plcb1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

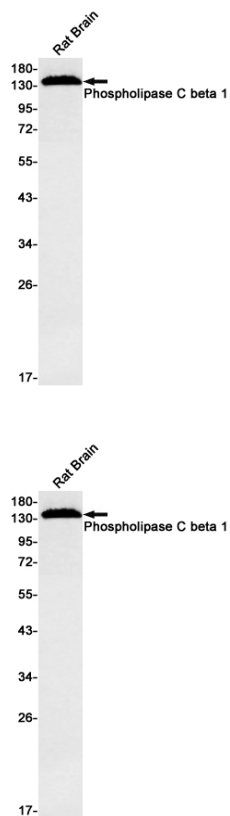
Protein Information

Name	Plcb1 {ECO:0000312 MGI:MGI:97613}
Synonyms	Plcb
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: 27653213). Regulates the function of the endothelial barrier (PubMed: 27653213).
Cellular Location	Nucleus membrane; Peripheral membrane protein. Cytoplasm {ECO:0000250 UniProtKB:P10687}. Note=Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes.

Background

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.

Images



Western blot analysis of Phospho-lipase C beta 1 in rat Brain lysates using Phospho-lipase C beta 1 antibody.

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