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Plcb1 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13863

Product Information

Application	WB
Primary Accession	Q9Z1B3
Other Accession	NM_001145830, NP_001139302
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138396

Additional Information

Gene ID	18795
Alias Symbol	3110043I21Rik, AI132408, Plcb, mKIAA0581
Other Names	1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-1, 3.1.4.11, PLC-154, Phosphoinositide phospholipase C-beta-1, Phospholipase C-beta-1, PLC-beta-1, Plcb1, Plcb
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Plcb1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Plcb1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

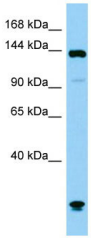
Name	Plcb1 {ECO:0000312|MGI:MGI:97613}
Synonyms	Plcb
Function	Catalyzes the hydrolysis of 1-phosphatidylinositol 4,5- bisphosphate into diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) and mediates intracellular signaling downstream of G protein- coupled receptors (PubMed:27653213). Regulates 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.

References

Bai J.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Ehringer M.A.,et al.Mamm. Genome 12:657-663(2001).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Watanabe M.,et al.Eur. J. Neurosci. 10:2016-2025(1998).
Dupont G.,et al.Biochem. J. 316:583-591(1996).

Images



Host: Rabbit
Target Name: Plcb1
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml

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