

Rabbit PLCB1 Polyclonal Antibody | anti-PLCB1 antibody

PLCB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326490	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

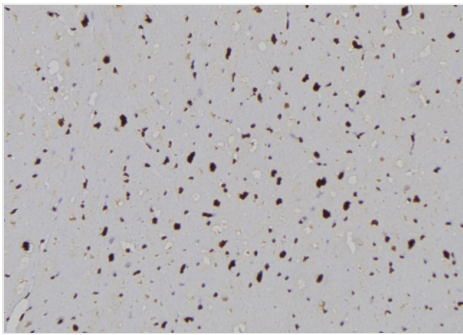
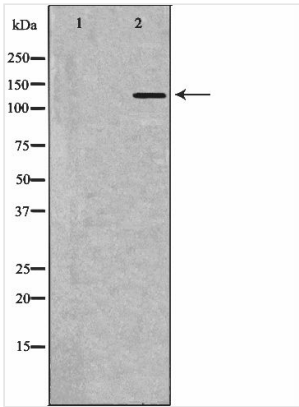
PRODUCT SYNONYMS

PLCB1; Polyclonal Antibody; PLCB1 Antibody; 1 phosphatidylinositol 4; 5 bisphosphate phosphodiesterase beta 1; 1-phosphatidyl-D-myo-inositol-4; 5-bisphosphate; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase beta-1; EIEE12; Inositoltrisphosphohydrolase; Monophosphatidylinositol phosphodiesterase; Phosphb; Phosphoinositidase C; Phosphoinositide phospholipase C; Phosphoinositide phospholipase C-beta 1; 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 I; PLC-154; PLC-beta-1; PLC-I; PLC154; Plcb; Plcb1; Plcb1 protein; PLCB1_HUMAN; PLCbeta1; Triphosphoinositide phosphodiesterase; anti-PLCB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLCB1 antibody detects endogenous levels of total PLCB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1216
Applicable Applications for anti-PLCB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLCB1
Subcellular Location	Nucleus Membrane. Cytoplasm. Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326490 at 1/100 staining Human heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of HL-60, using PLCB1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLCB1 antibody

Description: The protein encoded by this gene catalyzes the formation of inositol 1, 4, 5-trisphosphate and diacylglycerol from phosphatidylinositol 4, 5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function: 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.
Subunit Structure: Interacts with DGKQ.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12083581
NCBI GeneID	23236
NCBI Accession #	NP_056007.1
NCBI GenBank Nucleotide #	NM_015192.3
UniProt Accession #	Q9NQ66; O60325; Q17RQ6; Q5TFF7; Q5TGC9; Q8IV93; Q9BQW2; Q9H4H2; Q9H8H5; Q9NQ65; D3DW12; D3DW13
Molecular Weight	Observed: 139 kDa Predicted: 139 kDa
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 isoform a
NCBI Official Synonym Full Names	phospholipase C beta 1
NCBI Official Symbol	PLCB1
NCBI Official Synonym Symbols	PLC-I; EIEE12; PI-PLC; PLC154; PLCB1A; PLCB1B; PLC-154; PLC-beta-1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1
UniProt Gene Name	PLCB1
UniProt Synonym Gene Names	KIAA0581; PLC-I; PLC-beta-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

