



## PLCD1 Polyclonal Antibody

Isotype   IgG		
Applications WB:ELISA  Gene Name PLCD1  Protein Name 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (Phospholipase C-delta-1) (Phospholipase	Catalog No	BYab-05150
Applications WB;ELISA  Gene Name PLCD1  Protein Name 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (Phospholipase C-delta-1) (Phospholipase C-III) (PLC-III)  Immunogen Synthesized peptide derived from human protein . at AA range: 90-170  Specificity PLCD1 Polyclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000 ELISA 1:5000-20000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band 83kD  Cell Pathway intracellular,cytoplasm,cytosol,plasma membrane,extracellular exosome,  Tissue Specificity Strongly expressed in lung, liver and heart. Also expressed at least in pancreas, kidney, skeletal muscle, placenta and brain.  Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol_cofactor:Binds 3 calcium ions per subunit. Two of the calcium ions are bound to the C2 domain, function:The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (P3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. Essential for trophoblast and placental and verymen, similarity:Contains 1 PI-PLC X-box domain, similarity:Contains 1 PI-PLC X-box domain, similarity:Contains 1 PI-PLC X-box domain.	Isotype	IgG
Gene Name   PLCD1     Protein Name   PLCD1	Reactivity	Human;Mouse;Rat
Protein Name 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (Phospholipase C-delta-1) (PLC-delta-1) (Phospholipase C-III) (PLC-III) (Phospholipase C-III) (Phospholipase C-III) (PLC-III) (Phospholipase C-IIII) (PLC-III) (Phospholipase C-IIII) (PLC-IIII) (Phospholipase C-IIII) (PLC-IIII) (Plc-IIIII) (Plc-IIIII) (Plc-IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Applications	WB;ELISA
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Immunogen         Synthesized peptide derived from human protein . at AA range: 90-170           Specificity         PLCD1 Polyclonal Antibody detects endogenous levels of protein.           Formulation         Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000 ELISA 1:5000-20000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms           Observed Band         83kD           Cell Pathway         intracellular,cytoplasm,cytosol,plasma membrane,extracellular exosome,           Tissue Specificity         Strongly expressed in lung, liver and heart. Also expressed at least in pancreas, kidney, skeletal muscle, placenta and brain.           Function         actalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol, cofactor:Binds 3 calcium ions per subunit. Two of the calcium ions are bound to the C2 domain, 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 Essential for trophoblast and placental development, similarity:Contains 1 PI-PLC X-box domain, similarity:Contains 1 PI-PLC V-box domain, simil	Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (Phosphoinositide phospholipase C-delta-1) (Phospholipase C-III) (PLC-III) (Phospholipase C-delta-1) (PLC-delta-1)
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Nanjing BYabscience technology Co.,Ltd



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Background	This gene encodes a member of the phospholipase C family. Phospholipase C isozymes play critical roles in intracellular signal transduction by catalyzing the hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP2) into the second messengers diacylglycerol (DAG) and inositol triphosphate (IP3). The encoded protein functions as a tumor suppressor in several types of cancer, and mutations in this gene are a cause of hereditary leukonychia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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