

PLCB1 Rabbit pAb

CatalogNo: YN1787

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 133kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity PLCB1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name PLCB1 KIAA0581

Protein Name 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 (PLC-154) (Phosphoinositide phospholipase C-beta-1) (Phospholipase C-I) (PLC-I) (Phospholipase C-beta-1) (PLC-beta-1)

Organism	Gene ID	UniProt ID
Human	23236 ;	Q9NQ66 ;
Mouse		Q9Z1B3 ;
Rat		P10687 ;

Cellular Localization Nucleus membrane . Cytoplasm . Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes. .

Tissue specificity Brain,Epithelium,Placenta,Testis,

Function Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol.,cofactor:Calcium.,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.,miscellaneous:The receptor-mediated activation of PLC-beta-1 is mediated by two G-protein alpha subunits, alpha-Q and alpha-11.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 PI-PLC Y-box domain.,

Validation Data

Contact information

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PLCB1 Rabbit pAb

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