

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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