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anti-Phospholipase C beta 1 antibody (C-Term)

Images



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Overview	
Quantity:	0.4 mL
Target:	Phospholipase C beta 1 (PLCB1)
Binding Specificity:	AA 1155-1184, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C beta 1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 1155~1184 amino acids from the C-terminal region
	of human PLCB1
Isotype:	lg Fraction
Specificity:	This antibody recognizes Human PLCB1 (C-term).

Protein A column, followed by peptide affinity purification

Target Details

Purification:

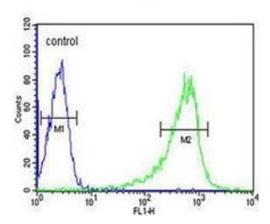
Target:	Phospholipase C beta 1 (PLCB1)
Alternative Name:	PLCB1 (PLCB1 Products)
Background:	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and

	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.Synonyms: 1-phosphatidylinositol-4, 5-bisphosphate phosphodiesterase beta-1, KIAA0581,
	PLC beta1, PLC-I, PLC-beta-1, Phosphoinositide phospholipase C-beta-1, Phospholipase C-I,
	Phospholipase C-beta-1
Molecular Weight:	138567 Da
Gene ID:	23236
NCBI Accession:	NP_056007
Pathways:	WNT Signaling, AMPK Signaling, Thyroid Hormone Synthesis, Inositol Metabolic Process,
	Regulation of Muscle Cell Differentiation, Regulation of G-Protein Coupled Receptor Protein
	Signaling, Proton Transport, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling
	Events, G-protein mediated Events

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.





HL-60 250 130 95 72

Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using PLCB1 Antibody (C-term) Cat.-No AP53333PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of PLCB1 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). PLCB1 (arrow) was detected using the purified Pab.