Datasheet for ABIN653321

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

2 Images

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Overview

Quantity:	400 µL
Target:	Phospholipase C beta 1 (PLCB1)
Binding Specificity:	AA 1148-1176, 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)

Product Details

Immunogen:	This PLCB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1148-1176 amino acids from the C-terminal region of human PLCB1.
Clone:	RB17391
Isotype:	Ig Fraction
Predicted Reactivity:	B, M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Phospholipase C beta 1 (PLCB1)

Target Details

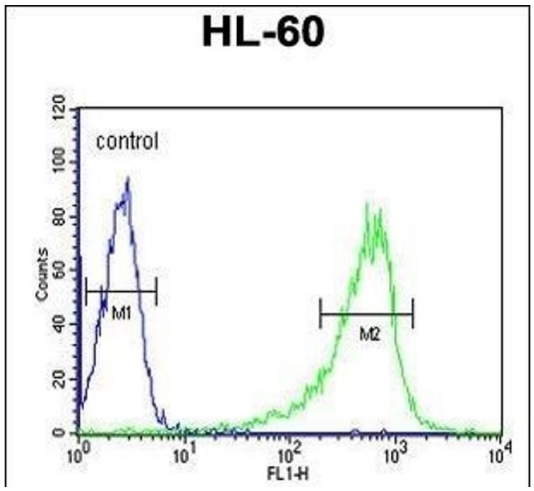
Alternative Name:	PLCB1 (PLCB1 Products)
Background:	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11.
Molecular Weight:	138567
Gene ID:	23236
NCBI Accession:	NP_056007, NP_877398
UniProt:	Q9NQ66
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:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

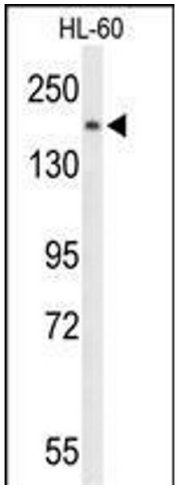
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. PLCB1 Antibody (C-term) (ABIN653321 and ABIN2842813) flow cytometric analysis of HL-60 cells (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) (ABIN653321 and ABIN2842813) in HL-60 cell line lysates (35 µg/lane). PLCB1 (arrow) was detected using the purified Pab.