

Product datasheet for **AP53333PU-N**

Phospholipase C beta 1 (PLCB1) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1155~1184 amino acids from the C-terminal region of human PLCB1
Specificity:	This antibody recognizes Human PLCB1 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phospholipase C beta 1
Database Link:	Entrez Gene 23236 Human Q9NQ66
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.



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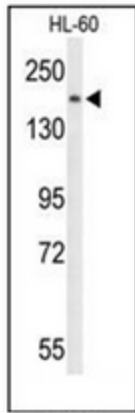
Synonyms: Phospholipase C-I, PLC beta1, PLC-I, Phospholipase C-beta-1, PLC-beta-1, KIAA0581

Note: **Molecular Weight:** 138567 Da

Protein Families: Druggable Genome

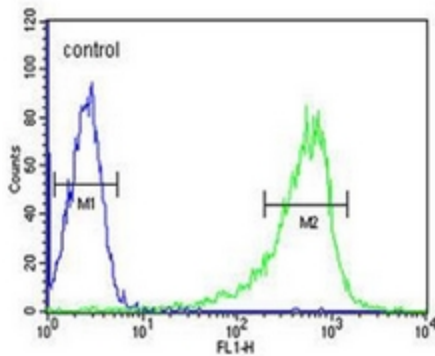
Protein Pathways: Alzheimer's disease, Calcium signaling pathway, Chemokine signaling pathway, Gap junction, GnRH signaling pathway, Huntington's disease, Inositol phosphate metabolism, Long-term depression, Long-term potentiation, Melanogenesis, Metabolic pathways, Phosphatidylinositol signaling system, Vascular smooth muscle contraction, Wnt signaling pathway

Product images:



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

HL-60



Flow cytometric analysis of HL-60 cells using PLCB1 Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.