

PLC beta 2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51909

Specification

PLC beta 2 Antibody - Product Information

Application	WB, E
Primary Accession	Q00722
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	130 KDa

PLC beta 2 Antibody - Additional Information

Gene ID 5330

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-2, Phosphoinositide phospholipase C-beta-2, Phospholipase C-beta-2, PLC-beta-2, PLCB2

Dilution

WB~~1:1000
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PLC beta 2 Antibody - Protein Information

Name PLCB2 ([HGNC:9055](#))

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 (PubMed: <http://www.uniprot.org/citations/1644792> target="_blank">1644792, PubMed: <http://www.uniprot.org/citations/9188725> target="_blank">9188725). In neutrophils, participates in a phospholipase C-activating N-formyl peptide-activated GPCR (G protein- coupled receptor) signaling pathway by promoting RASGRP4 activation by DAG, to promote neutrophil functional responses (By similarity).

PLC beta 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLC beta 2 Antibody - Images

PLC beta 2 Antibody - Background

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.

PLC beta 2 Antibody - References

Park D., et al. J. Biol. Chem. 267:16048-16055(1992).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Zody M.C., et al. Nature 440:671-675(2006).
Jezyk M.R., et al. Nat. Struct. Mol. Biol. 13:1135-1140(2006).