

PLC beta 3 (pS537) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51634

Specification

PLC beta 3 (pS537) Antibody - Product Information

Application	WB, E
Primary Accession	Q01970
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150 KDa

PLC beta 3 (pS537) Antibody - Additional Information

Gene ID 5331

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-3, Phosphoinositide phospholipase C-beta-3, Phospholipase C-beta-3, PLC-beta-3, PLCB3

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 3 (pS537) Antibody - Protein Information

Name PLCB3 {ECO:0000312|EMBL:AAA77683.1}

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: [29122926](http://www.uniprot.org/citations/29122926), PubMed: [9188725](http://www.uniprot.org/citations/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).

Cellular Location

Cytoplasm. Membrane {ECO:0000250|UniProtKB:Q99JE6}. Nucleus {ECO:0000250|UniProtKB:P51432} Note=And particulate fractions. {ECO:0000250|UniProtKB:Q99JE6}

PLC beta 3 (pS537) 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 3 (pS537) Antibody - Images

PLC beta 3 (pS537) 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 3 (pS537) Antibody - References

Mazuruk K., et al. *Biochem. Biophys. Res. Commun.* 212:190-195(1995).
Lagercrantz J., et al. *Genomics* 26:467-472(1995).
Taylor T.D., et al. *Nature* 440:497-500(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Carozzi A.J., et al. *Eur. J. Biochem.* 210:521-529(1992).