

PLC β 3 (phospho Ser537) Polyclonal Antibody
Catalog # AP67639**Specification****PLC β 3 (phospho Ser537) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q01970
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

PLC β 3 (phospho Ser537) Polyclonal Antibody - Additional Information

Gene ID 5331

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PLC β 3 (phospho Ser537) Polyclonal 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, PubMed: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

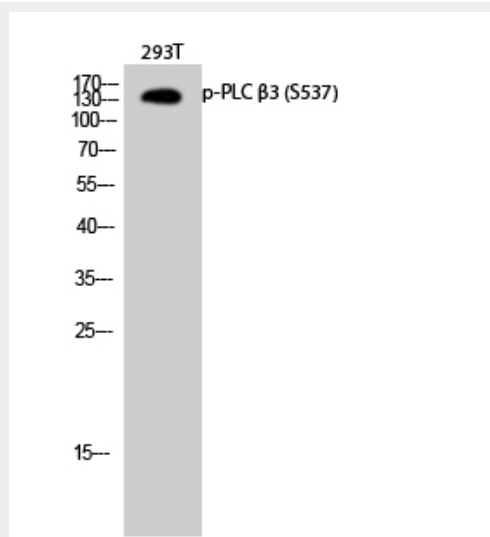
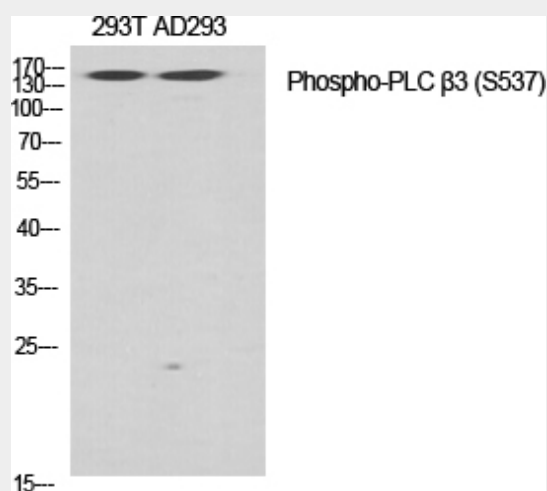
Cytoplasm. Membrane {ECO:0000250|UniProtKB:Q99JE6}. Nucleus {ECO:0000250|UniProtKB:P51432} Note=And particulate fractions. {ECO:0000250|UniProtKB:Q99JE6}

PLC β 3 (phospho Ser537) Polyclonal 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 β 3 (phospho Ser537) Polyclonal Antibody - Images



PLC β 3 (phospho Ser537) Polyclonal 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.