

**PLC  $\beta$ 3 (phospho Ser1105) Polyclonal Antibody**  
Catalog # AP67538**Specification****PLC  $\beta$ 3 (phospho Ser1105) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q01970</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**PLC  $\beta$ 3 (phospho Ser1105) 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  $\beta$ 3 (phospho Ser1105) 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:<a href="http://www.uniprot.org/citations/29122926" target="\_blank">29122926</a>, PubMed:<a href="http://www.uniprot.org/citations/9188725" target="\_blank">9188725</a>). 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**

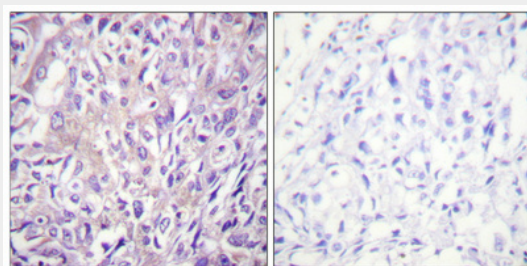
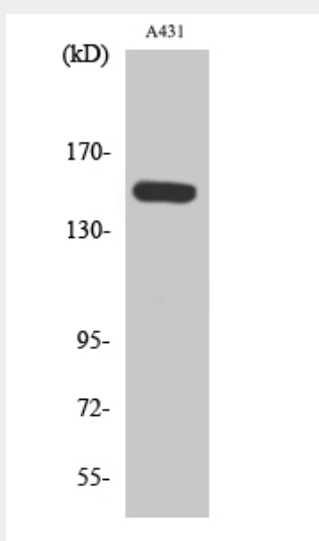
Cytoplasm. Membrane {ECO:0000250|UniProtKB:Q99JE6}. Nucleus {ECO:0000250|UniProtKB:P51432} Note=And particulate fractions. {ECO:0000250|UniProtKB:Q99JE6}

## PLC $\beta$ 3 (phospho Ser1105) 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 $\beta$ 3 (phospho Ser1105) Polyclonal Antibody - Images



## PLC $\beta$ 3 (phospho Ser1105) 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.