

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

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**Specification**

**PLC beta 2 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">Q00722</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>130 KDa</b>

**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

**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</a>, PubMed: <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).

**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).