

## Anti-Phospholipase C $\beta$ 2 (PLC- $\beta$ 2) Antibody

Our Anti-Phospholipase C  $\beta$ 2 (PLC- $\beta$ 2) rabbit polyclonal primary antibody from PhosphoSolutions is pro  
Catalog # AN1518

### Specification

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#### Anti-Phospholipase C $\beta$ 2 (PLC- $\beta$ 2) Antibody - Product Information

Primary Accession	<a href="#">Q00722</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	134024

#### Anti-Phospholipase C $\beta$ 2 (PLC- $\beta$ 2) Antibody - Additional Information

Gene ID **5330**

##### Other Names

1-phosphatidylinositol-4 antibody, 1-phosphatidylinositol-4 5-bisphosphate phosphodiesterase beta-2 antibody, 5-bisphosphate phosphodiesterase beta-2 antibody, FLJ38135 antibody, Phosphoinositide phospholipase C-beta-2 antibody, Phospholipase C-beta-2 antibody, PLC-beta-2 antibody, Plcb2 antibody, PLCB2\_HUMAN antibody

##### Target/Specificity

Phospholipases are quite common enzymes that are present in a broad range of organisms, including bacteria, yeast, plants, animals, and viruses. Phospholipase C (PLC) constitutes a class of enzymes that cleave phospholipids on the diacylglycerol (DAG) side of the phosphodiester bond (Cocco et al., 2015). A growing body of evidence supports the role of phospholipase C (PLC) in the invasion and metastasis of different tumors, including breast cancer (Bertagnolo et al., 2006). PLC- $\beta$ 2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC- $\beta$ 2 serves an unappreciated role assembling components of the p38MAPK signaling module (Barr et al., 2002).

##### Format

Antigen Affinity Purified from Pooled Serum

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

##### Precautions

Anti-Phospholipase C  $\beta$ 2 (PLC- $\beta$ 2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

##### Shipping

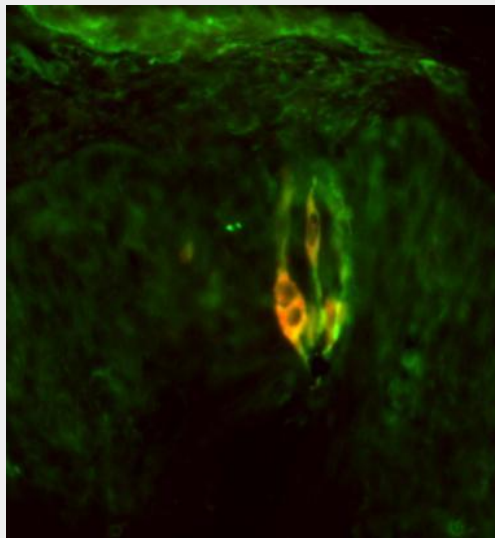
Blue Ice

#### Anti-Phospholipase C $\beta$ 2 (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](#)

#### **Anti-Phospholipase C $\beta$ 2 (PLC- $\beta$ 2) Antibody - Images**



Immunostaining of human larynx taste bud showing specific labeling of PLC  $\beta$ 2 (red) and GNAT3 (green). Photo courtesy of Mei Li, University of Colorado-Anschutz MC.

#### **Anti-Phospholipase C $\beta$ 2 (PLC- $\beta$ 2) Antibody - Background**

Phospholipases are quite common enzymes that are present in a broad range of organisms, including bacteria, yeast, plants, animals, and viruses. Phospholipase C (PLC) constitutes a class of enzymes that cleave phospholipids on the diacylglycerol (DAG) side of the phosphodiester bond (Cocco et al., 2015). A growing body of evidence supports the role of phospholipase C (PLC) in the invasion and metastasis of different tumors, including breast cancer (Bertagnolo et al., 2006). PLC- $\beta$ 2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC- $\beta$ 2 serves an unappreciated role assembling components of the p38MAPK signaling module (Barr et al., 2002).