10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Phospholipase C β2 (PLC-β2) Antibody

Our Anti-Phospholipase C β2 (PLC-β2) rabbit polyclonal primary antibody from PhosphoSolutions is pro

Catalog # AN1518

Specification

Anti-Phospholipase C β2 (PLC-β2) Antibody - Product Information

Primary Accession	Q00722
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	134024

Anti-Phospholipase C β2 (PLC-β2) 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-β2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC-β2 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 β2 (PLC-β2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

Anti-Phospholipase C β2 (PLC-β2) Antibody - Protocols

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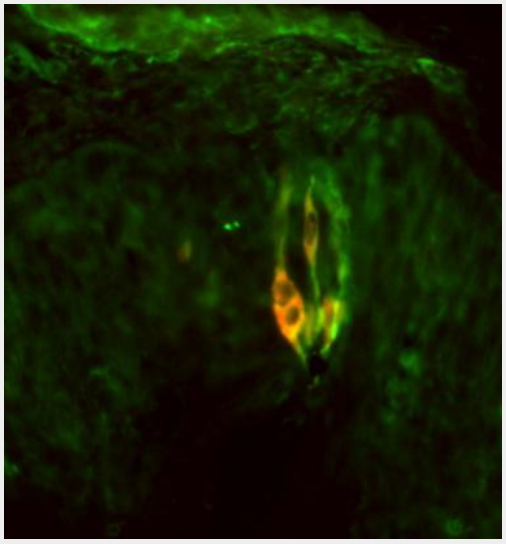
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Phospholipase C β2 (PLC-β2) Antibody - Images



Immunostaining of human larynx taste bud showing specific labeling of PLC β2 (red) and GNAT3 (green). Photo courtesy of Mei Li, University of Colorado-Anschutz MC.

Anti-Phospholipase C β2 (PLC-β2) 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-β2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC-β2 serves an unappreciated role assembling components of the p38MAPK signaling module (Barr et al., 2002).