

PLCB4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9375b**Specification**

PLCB4 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q15147](#)**PLCB4 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5332**Other Names**

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase beta-4, Phosphoinositide phospholipase C-beta-4, Phospholipase C-beta-4, PLC-beta-4, PLCB4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLCB4 Antibody (C-term) Blocking Peptide - Protein Information**Name** PLCB4 ([HGNC:9059](#))**Function**Activated phosphatidylinositol-specific phospholipase C enzymes catalyze the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) involved in G-protein coupled receptor signaling pathways. PLCB4 is a direct effector of the endothelin receptor signaling pathway that plays an essential role in lower jaw and middle ear structures development (PubMed: <http://www.uniprot.org/citations/35284927> target="_blank">35284927).**Cellular Location**

Cell membrane.

Tissue Location

Preferentially expressed in the retina.

PLCB4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PLCB4 Antibody (C-term) Blocking Peptide - Images

PLCB4 Antibody (C-term) Blocking Peptide - Background

PLCB4 catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals in the retina.

PLCB4 Antibody (C-term) Blocking Peptide - References

Okada, Y., et al. Hum. Mol. Genet. (2010) In press
Sjoholm, L.K., et al. J Circadian Rhythms 8 (1), 1
(2010)
Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009)