

PLCH1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10987b

Specification

PLCH1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q4KWH8](#)

PLCH1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 23007

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase eta-1, Phosphoinositide phospholipase C-eta-1, Phospholipase C-eta-1, PLC-eta-1, Phospholipase C-like protein 3, PLC-L3, PLCH1, KIAA1069, PLCL3

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.

PLCH1 Antibody (C-term) Blocking peptide - Protein Information

Name PLCH1 ([HGNC:29185](#))

Synonyms KIAA1069, PLCL3

Function

The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by calcium-activated phosphatidylinositol-specific phospholipase C enzymes.

Cellular Location

Cytoplasm. Membrane

Tissue Location

Expressed in brain and to a lower extent in lung. In brain, it is found in cerebrum, cerebellum and spinal cord. In embryo expressed in the notochord, developing spinal cord (in a ventral to dorsal gradient), dorsal root ganglia, cerebellum and dermatomyosome.

PLCH1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PLCH1 Antibody (C-term) Blocking peptide - Images

PLCH1 Antibody (C-term) Blocking peptide - Background

PLCH1 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂) to generate second messengers inositol 1,4,5-trisphosphate (IP₃) and diacylglycerol (DAG) (Hwang et al., 2005 [PubMed 15702972]).

PLCH1 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Hwang, J.I., et al. Biochem. J. 389 (PT 1), 181-186 (2005) :Stewart, A.J., et al. Int. J. Mol. Med. 15(1):117-121(2005) Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004)