

PLD1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11670b**Specification**

PLD1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q13393](#)**PLD1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 5337**Other Names**

Phospholipase D1, PLD 1, hPLD1, Choline phosphatase 1, Phosphatidylcholine-hydrolyzing phospholipase D1, PLD1

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.

PLD1 Antibody (C-term) Blocking peptide - Protein Information**Name** PLD1 ([HGNC:9067](#))**Function**

Function as phospholipase selective for phosphatidylcholine (PubMed:8530346, PubMed:9582313, PubMed:25936805). Implicated as a critical step in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis. May be involved in the regulation of perinuclear intravesicular membrane traffic (By similarity).

Cellular Location

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q9Z280}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}. Late endosome membrane {ECO:0000250|UniProtKB:Q9Z280}; Lipid-anchor {ECO:0000250|UniProtKB:Q9Z280}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z280}

Tissue Location

Expressed abundantly in the pancreas and heart and at high levels in brain, placenta, spleen, uterus and small intestine

PLD1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PLD1 Antibody (C-term) Blocking peptide - Images**PLD1 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily of secreted signaling molecules. It is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in this gene result in colobomata, which are congenital abnormalities in ocular development, and in Klippel-Feil syndrome (KFS), which is a congenital disorder of spinal segmentation.

PLD1 Antibody (C-term) Blocking peptide - References

Gonzalez-Rodriguez, J., et al. Br J Ophthalmol 94(8):1100-1104(2010) Mikic, B., et al. J. Orthop. Res. 27(12):1603-1611(2009) Asai-Coakwell, M., et al. Hum. Mol. Genet. 18(6):1110-1121(2009) Zhang, X., et al. Mol. Vis. 15, 2911-2918 (2009) :Shen, B., et al. Int. J. Biol. Sci. 5(2):192-200(2009)