

PLD2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14669a**Specification**

PLD2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O14939](#)**PLD2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5338**Other Names**

Phospholipase D2, PLD 2, hPLD2, Choline phosphatase 2, PLD1C, Phosphatidylcholine-hydrolyzing phospholipase D2, PLD2

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.

PLD2 Antibody (N-term) Blocking Peptide - Protein Information**Name** PLD2 ([HGNC:9068](#))**Function**

Function as phospholipase selective for phosphatidylcholine (PubMed:9582313). May have a role in signal-induced cytoskeletal regulation and/or endocytosis (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P97813}; Lipid-anchor {ECO:0000250|UniProtKB:P97813}

Tissue Location

Ubiquitous..

PLD2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PLD2 Antibody (N-term) Blocking Peptide - Images

PLD2 Antibody (N-term) Blocking Peptide - Background

Phosphatidylcholine (PC)-specific phospholipases D (PLDs; EC 3.1.4.4) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. Activation of PC-specific PLDs occurs as a consequence of agonist stimulation of both tyrosine kinase and G-protein-coupled receptors. PC-specific PLDs have been proposed to function in regulated secretion, cytoskeletal reorganization, transcriptional regulation, and cell cycle control. [supplied by OMIM].

PLD2 Antibody (N-term) Blocking Peptide - References

Chae, Y.C., et al. Mol. Cell. Biol. 30(21):5086-5098(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Knapek, K., et al. Mol. Cell. Biol. 30(18):4492-4506(2010) Tabatabaian, F., et al. J. Biol. Chem. 285(25):18991-19001(2010) Kang, D.W., et al. PLoS ONE 5 (8), E12109 (2010) :