

PPAPDC1B Blocking Peptide (Center)
Synthetic peptide
Catalog # BP22010c**Specification**

PPAPDC1B Blocking Peptide (Center) - Product InformationPrimary Accession [Q8NEB5](#)**PPAPDC1B Blocking Peptide (Center) - Additional Information****Gene ID** 84513**Other Names**

Phosphatidate phosphatase PPAPDC1B, 3.1.3.4, Phosphatidic acid phosphatase type 2 domain-containing protein 1B, PPAPDC1B, DPPL1, HTPAP

Target/Specificity

The synthetic peptide sequence is selected from aa 134-146 of HUMAN PPAPDC1B

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.

PPAPDC1B Blocking Peptide (Center) - Protein Information**Name** PLPP5 ([HGNC:25026](#))**Function**

Magnesium-independent phospholipid phosphatase with broad substrate specificity (PubMed: [17590538](http://www.uniprot.org/citations/17590538)). Preferentially catalyzes the conversion of diacylglycerol pyrophosphate into phosphatidate but can also act on phosphatidate and lysophosphatidate (PubMed: [17590538](http://www.uniprot.org/citations/17590538)). Phospholipid phosphatases are involved in both the synthesis of lipids and the generation or degradation of lipid-signaling molecules (PubMed: [17590538](http://www.uniprot.org/citations/17590538)).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q3UMZ3}

Tissue Location

Ubiquitous..

PPAPDC1B Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

PPAPDC1B Blocking Peptide (Center) - Images**PPAPDC1B Blocking Peptide (Center) - Background**

Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol. May be a metastatic suppressor for hepatocellular carcinoma.

PPAPDC1B Blocking Peptide (Center) - References

Takeuchi M.,et al.Gene 399:174-180(2007).
Nusbaum C.,et al.Nature 439:331-335(2006).
Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Wu X.,et al.Oncogene 25:1832-1840(2006).