

GDPD1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11422a**Specification**

GDPD1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q8N9F7](#)
Other Accession [NP_001159466.1](#), [NP_001159465.1](#),
[NP_872375.2](#)

GDPD1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 284161

Other Names

Glycerophosphodiester phosphodiesterase domain-containing protein 1, 31--,
Glycerophosphodiester phosphodiesterase 4, GDPD1, GDE4

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.

GDPD1 Antibody (N-term) Blocking peptide - Protein Information

Name GDPD1 ([HGNC:20883](#))

Function

Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed: [27637550](http://www.uniprot.org/citations/27637550), PubMed: [25596343](http://www.uniprot.org/citations/25596343)). Shows a preference for 1-O-alkyl- sn-glycero-3-phosphocholine (lyso-PAF), lysophosphatidylethanolamine (lyso-PE) and lysophosphatidylcholine (lyso-PC) (PubMed: [27637550](http://www.uniprot.org/citations/27637550), PubMed: [25596343](http://www.uniprot.org/citations/25596343)). May be involved in bioactive N-acyl-lysophosphatidylethanolamine biosynthesis from both N-acyl-lysophosphatidylethanolamine (N-acyl-lysoPE) and N-acyl-lysophosphatidylethanolamine (N-acyl-lysoPE) (PubMed: [27637550](http://www.uniprot.org/citations/27637550), PubMed: [25596343](http://www.uniprot.org/citations/25596343)). In addition, hydrolyzes glycerophospho-N-acyl-lysophosphatidylethanolamine to N-acyl-lysophosphatidylethanolamine (PubMed: [27637550](http://www.uniprot.org/citations/27637550)). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine (By

similarity).

Cellular Location

Cytoplasm. Membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region. Endoplasmic reticulum. Note=Concentrated at the perinuclear region and the cell periphery (PubMed:18991142)

Tissue Location

Widely expressed with high expression level in testis.

GDPD1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GDPD1 Antibody (N-term) Blocking peptide - Images