

**GDPD3 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13964a****Specification**

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**GDPD3 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q7L5L3](#)**GDPD3 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79153**Other Names**

Glycerophosphodiester phosphodiesterase domain-containing protein 3, 31--, GDPD3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13964a was selected from the N-term region of GDPD3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**GDPD3 Antibody (N-term) Blocking peptide - Protein Information****Name** GDPD3 ([HGNC:28638](#))**Function**

Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:<a href="http://www.uniprot.org/citations/27637550" target="\_blank">27637550</a>). Shows a preference for 1-O-alkyl-sn-glycero-3- phosphocholine (lyso-PAF), lysophosphatidylcholine (lyso-PC) and N- acylethanolamine lysophospholipids (PubMed:<a href="http://www.uniprot.org/citations/27637550" target="\_blank">27637550</a>). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine.

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:Q99LY2}; Multi- pass membrane protein {ECO:0000250|UniProtKB:Q99LY2}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q99LY2}. Endoplasmic reticulum. Note=Partially co-localized with CANX. {ECO:0000250|UniProtKB:Q99LY2}

**Tissue Location**

Widely expressed, with high level in kidney and ovary.

**GDPD3 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**GDPD3 Antibody (N-term) Blocking peptide - Images****GDPD3 Antibody (N-term) Blocking peptide - Background**

The exact function of this protein remains unknown.

**GDPD3 Antibody (N-term) Blocking peptide - References**

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :