

GDPD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55132**Specification**

GDPD1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8N9F7
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36167

GDPD1 Polyclonal Antibody - Additional Information**Gene ID** 284161**Other Names**

Lysophospholipase D GDPD1, 3.1.4.-, Glycerophosphodiester phosphodiesterase 4, Glycerophosphodiester phosphodiesterase domain-containing protein 1, GDPD1 ([HGNC:20883](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20883))

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

GDPD1 Polyclonal Antibody - Protein Information**Name** GDPD1 ([HGNC:20883](#))**Function**

Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed: [25596343](http://www.uniprot.org/citations/25596343), PubMed: [27637550](http://www.uniprot.org/citations/27637550)). Shows a preference for 1-O-alkyl- sn-glycero-3-phosphocholine (lyso-PAF), lysophosphatidylethanolamine (lyso-PE) and lysophosphatidylcholine (lyso-PC) (PubMed: [25596343](http://www.uniprot.org/citations/25596343), PubMed: [27637550](http://www.uniprot.org/citations/27637550)). May be involved in bioactive N-acylethanolamine biosynthesis from both N-acyl-lysoplasmenylethanolamin (N-acyl- lysoPlsEt) and N-acyl-lysophosphatidylethanolamin (N-acyl-lysoPE) (PubMed: [25596343](http://www.uniprot.org/citations/25596343), PubMed: [27637550](http://www.uniprot.org/citations/27637550)). In addition, hydrolyzes glycerophospho-N-acylethanolamine to N-acylethanolamine (PubMed: [27637550](http://www.uniprot.org/citations/27637550))

target="_blank">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 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GDPD1 Polyclonal Antibody - Images