

GDPD1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11422a

Specification

GDPD1 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q8N9F7
Other Accession	NP_001159465.1 , NP_001159466.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36167
Antigen Region	18-46

GDPD1 Antibody (N-term) - Additional Information

Gene ID 284161

Other Names

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

Target/Specificity

This GDPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-46 amino acids from the N-terminal region of human GDPD1.

Dilution

WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GDPD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GDPD1 Antibody (N-term) - Protein Information

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

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

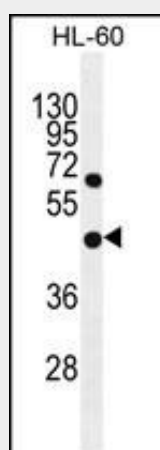
Widely expressed with high expression level in testis.

GDPD1 Antibody (N-term) - Protocols

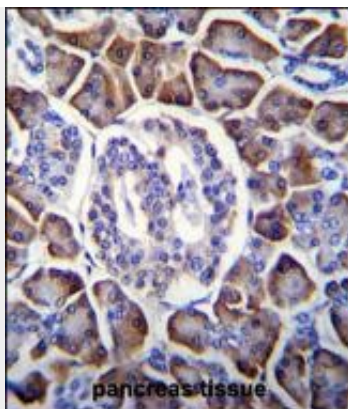
Provided below are standard protocols that you may find useful for product applications.

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

GDPD1 Antibody (N-term) - Images



GDPD1 Antibody (N-term) (Cat. #AP11422a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the GDPD1 antibody detected the GDPD1 protein (arrow).



GDPD1 Antibody (N-term) (Cat. #AP11422a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GDPD1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.