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GDPD3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13964A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7L5L3
Other Accession	NP_077283.2
Reactivity	Human
Predicted	Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27411
Calculated MW	36596
Antigen Region	17-46

Additional Information

Gene ID	79153
Other Names	Glycerophosphodiester phosphodiesterase domain-containing protein 3, 31--, GDPD3
Target/Specificity	This GDPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human GDPD3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	GDPD3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GDPD3 (HGNC:28638)
Function	Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:27637550). Shows a preference for

	1-O-alkyl-sn-glycero-3- phosphocholine (lyso-PAF), lysophosphatidylcholine (lyso-PC) and N- acylethanolamine lysophospholipids (PubMed:27637550). 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.

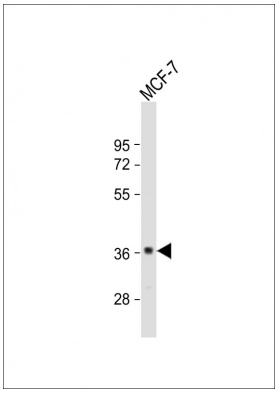
Background

The exact function of this protein remains unknown.

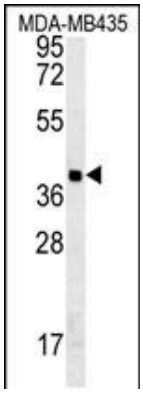
References

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

Images

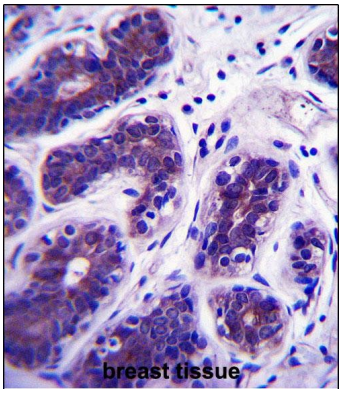


Anti-GDPD3 Antibody (N-term) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GDPD3 Antibody (N-term) (Cat. #AP13964a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the GDPD3 antibody detected the GDPD3 protein (arrow).

GDPD3 Antibody (N-term) (Cat. #AP13964a)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GDPD3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.