



Rabbit Anti-GDPD1 antibody

SL13325R

Product Name:	GDPD1
Chinese Name:	甘油磷酸二酯酶磷酸结构域4抗体
Alias:	2610020H15Rik; GDE4; Glycerophosphodiester phosphodiesterase 4; glycerophosphodiester phosphodiesterase domain containing 1; RP23-352L3.1; GDPD1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GDPD1/GDE4:221-314/314<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	GDE4 is a 314 amino acid cytoplasmic and multi-pass membrane protein that belongs to the glycerophosphoryl diester phosphodiesterase family. Expressed in small intestine, placenta, kidney, ovary, thymus, pancreas, spleen, liver and peripheral blood leukocytes, GDE4 contains one GDPD domain and exists as three alternatively spliced

isoforms. GDE4 is encoded by a gene that maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1.

Function:

This gene encodes a member of the glycerophosphodiester phosphodiesterase family of enzymes that catalyze the hydrolysis of deacylated glycerophospholipids to glycerol phosphate and alcohol. Alternative splicing results in multiple transcript variants.

Subcellular Location:

Cytoplasm. Membrane; Multi-pass membrane protein (Potential).

Tissue Specificity:

Detected in placenta, liver, kidney, pancreas, spleen, thymus, ovary, small intestine and peripheral blood leukocytes.

Similarity:

Belongs to the glycerophosphoryl diester phosphodiesterase family.
Contains 1 GDPD domain.

SWISS:

Q8N9F7

Gene ID:

284161

Database links:

[Entrez Gene: 284161](#)Human

[Entrez Gene: 66569](#)Mouse

[Entrez Gene: 303407](#)Rat

[SwissProt: Q8N9F7](#)Human

[SwissProt: Q9CRY7](#)Mouse

[SwissProt: Q0VGK4](#)Rat

[Unigene: 631744](#)Human

[Unigene: 281887](#)Mouse

[Unigene: 138410](#)Ra

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

