

For Research Use Only

# GDPD5 Polyclonal antibody

Catalog Number: 25703-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

25703-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22530

### GenBank Accession Number:

BC018771

### GeneID (NCBI):

81544

### UNIPROT ID:

Q8WTR4

### Full Name:

glycerophosphodiester phosphodiesterase domain containing 5

### Calculated MW:

605 aa, 69 kDa

### Observed MW:

51 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, ColP

### Species Specificity:

human

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : K-562 cells, COLO 320 cells

IHC : human placenta tissue,

## Background Information

GDPD5 (Glycerophosphodiester phosphodiesterase domain-containing protein 5) is also named as GDE2 and belongs to the glycerophosphoryl diester phosphodiesterase family. The deduced sequence of GDE2 contains 607 amino acids with seven putative transmembrane regions. GDPD5 is a glycerophosphocholine phosphodiesterase that osmotically regulates the osmoprotective organic osmolyte GPC (PMID:18667693). It has 5 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenchao Zhang	38900943	Cancer Res	WB, ColP
JingFeng Li	37390992	J Biol Chem	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

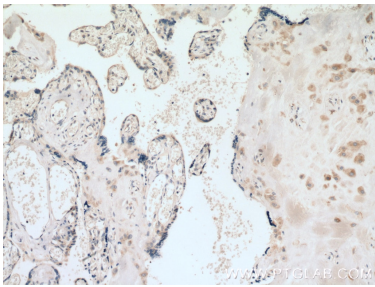
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

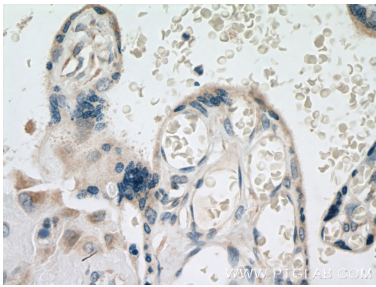
E: proteintech@ptglab.com  
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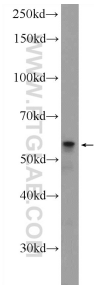
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 25703-1-AP (GDPD5 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 25703-1-AP (GDPD5 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



K-562 cells were subjected to SDS PAGE followed by western blot with 25703-1-AP (GDPD5 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.