

For Research Use Only

# GDPD5 Polyclonal antibody

Catalog Number: 25703-1-AP

Featured Product

2 Publications



## Basic Information

Catalog Number:

25703-1-AP

Size:

450 ug/ml

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

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

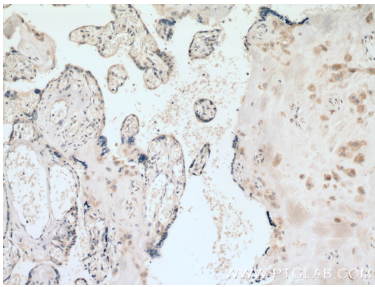
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

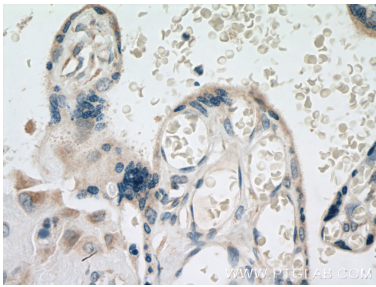
W: [ptgcn.com](http://ptgcn.com)

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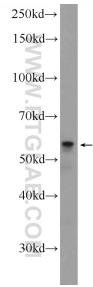
Selected Validation Data



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.