

For Research Use Only

GDPD5 Polyclonal antibody

Catalog Number: 25703-1-AP **1 Publications**



Basic Information

Catalog Number: 25703-1-AP	GenBank Accession Number: BC018771	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 81544	Recommended Dilutions: WB 1:200-1:1000 IHC 1:500-1:2000
Source: Rabbit	Full Name: glycerophosphodiester phosphodiesterase domain containing 5	
Isotype: IgG	Calculated MW: 605 aa, 69 kDa	
Immunogen Catalog Number: AG22530	Observed MW: 51 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, COLO 320 cells
Cited Applications: WB	IHC : human placenta tissue,
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

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
JingFeng Li	37390992	J Biol Chem	WB

Storage

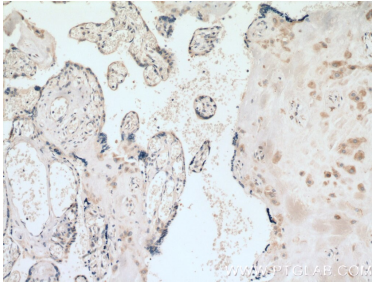
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

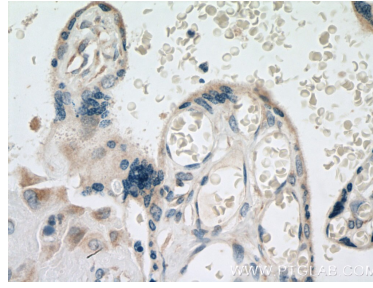
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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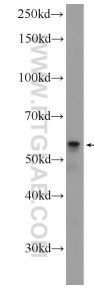
Selected Validation Data



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.