

For Research Use Only

PIGT Polyclonal antibody

Catalog Number: 16906-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 16906-1-AP	GenBank Accession Number: BC015022	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51604	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:100-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: phosphatidylinositol glycan anchor biosynthesis, class T	
Isotype: IgG	Calculated MW: 578 aa, 66 kDa	
Immunogen Catalog Number: AG10521	Observed MW: 66 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse

Cited Species:
human, mouse

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: human brain tissue, A549 cells

IP: mouse liver tissue,

IHC: human brain tissue, mouse brain tissue

IF: HepG2 cells,

Background Information

PIGT is a subunit of the glycosylphosphatidylinositol transamidase complex that catalyzes the attachment of proteins to GPI-anchors. GPI-anchors are glycolipids found on membrane of diverse cells that help proteins anchoring to the cell surface. Mutations of PIGT have been linked to developmental disorders including multiple congenital anomalies-hypotonia-seizures syndrome-3. Multiple isoforms of PIGT exist due to the alternative splicing, with the predicted MWs ranging from 42 kDa to 66 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Mingyue Tan	38169393	J Transl Med	WB
Yabin Ji	37789643	CNS Neurosci Ther	WB,IF

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

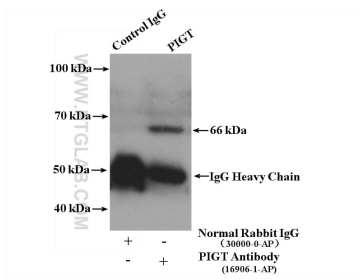
For technical support and original validation data for this product please contact:

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

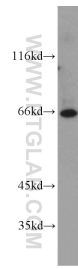
E: proteintech@ptglab.com
W: ptglab.com

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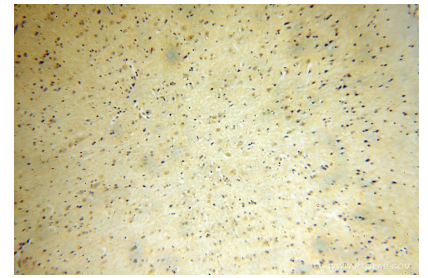
Selected Validation Data



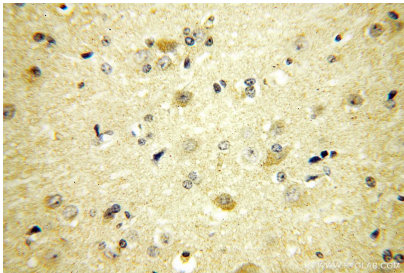
IP result of anti-PIGT (IP:16906-1-AP, 4 μ g; Detection:16906-1-AP 1:300) with mouse liver tissue lysate 6000 μ g.



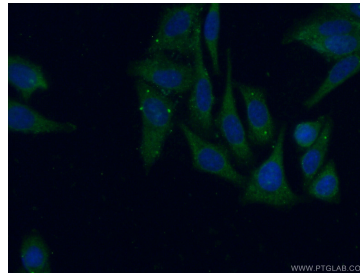
human brain tissue were subjected to SDS PAGE followed by western blot with 16906-1-AP (PIGT antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



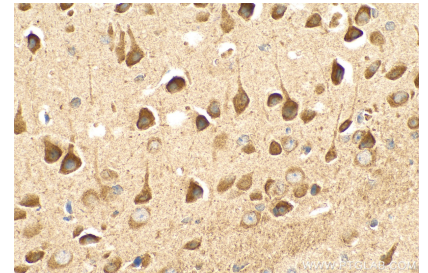
Immunohistochemical analysis of paraffin-embedded human brain using 16906-1-AP (PIGT antibody) at dilution of 1:100 (under 10 \times lens).



Immunohistochemical analysis of paraffin-embedded human brain using 16906-1-AP (PIGT antibody) at dilution of 1:100 (under 40 \times lens).



Immunofluorescent analysis of (-20 $^{\circ}$ C Ethanol) fixed HepG2 cells using 16906-1-AP (PIGT antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16906-1-AP (PIGT antibody) at dilution of 1:500 (under 40 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).