

For Research Use Only

GNPAT Polyclonal antibody

Catalog Number: 14931-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

14931-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6735

GenBank Accession Number:

BC000450

GeneID (NCBI):

8443

UNIPROT ID:

O15228

Full Name:

glyceronephosphate O-acyltransferase

Calculated MW:

77 kDa

Observed MW:

65-69 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, hamster

Positive Controls:

WB : HepG2 cells, human placenta tissue, Transfected HEK-293 cells, COLO 320 cells, HeLa cells, PC-3 cells, mouse brain tissue

IP : COLO 320 cells,

Background Information

GNPAT, also named as DAPAT and DHAPAT, belongs to the GPAT/DAPAT family. It is a key enzyme in the biosynthesis of ether phospholipids. GNPAT is localized exclusively within peroxisomes. Full GNPAT activity depends not only on the presence of AGPS, but also on the integrity of substrate channeling from GNPAT to AGPS. (PMID:21990100) This antibody recognize the 69 kDa GNPAT protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Pierre M Jean Beltran	30269970	Cell Host Microbe	WB
Rémi Karadayi	35433704	Front Cell Dev Biol	WB,IHC,IF
Petruta L Morvay	28370438	Cell Biochem Funct	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

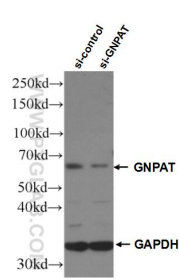
For technical support and original validation data for this product please contact:

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

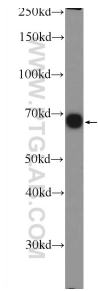
E: proteintech@ptglab.com
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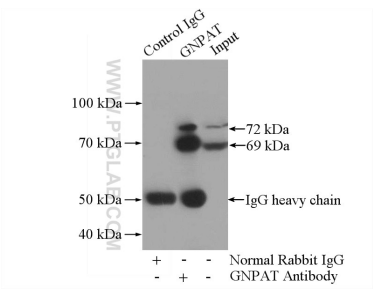
Selected Validation Data



WB result of GNPAT antibody (14931-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GNPAT transfected HepG2 cells.



HepG2 cells were subjected to SDS PAGE followed by western blot with 14931-1-AP (GNPAT Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-GNPAT (IP:14931-1-AP, 4ug; Detection:14931-1-AP 1:500) with COLO 320 cells lysate 2400ug.