

For Research Use Only

GNPAT Polyclonal antibody

Catalog Number: 14931-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 14931-1-AP	GenBank Accession Number: BC000450	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8443	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: glyceronephosphate O-acyltransferase	
Isotype: IgG	Calculated MW: 77 kDa	
Immunogen Catalog Number: AG6735	Observed MW: 65-69 kDa	

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, 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 recognizes 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

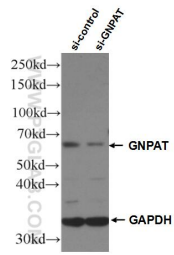
For technical support and original validation data for this product please contact:

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

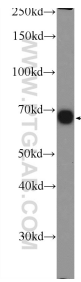
E: proteintech@ptglab.com
W: ptglab.com

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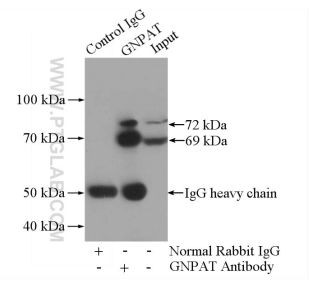
Selected Validation Data



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.