

For Research Use Only

# GNPAT Monoclonal antibody

Catalog Number: 66453-1-Ig



## Basic Information

<b>Catalog Number:</b> 66453-1-Ig	<b>GenBank Accession Number:</b> BC000450	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8443	<b>CloneNo.:</b> 2E5C10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15228	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> glyceronephosphate O-acyltransferase	
<b>Immunogen Catalog Number:</b> AG6740	<b>Calculated MW:</b> 77 kDa	
	<b>Observed MW:</b> 65-69 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, COLO 320 cells, HepG2 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver cancer tissue,

## 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 65-69 kDa GNPAT protein.

## Storage

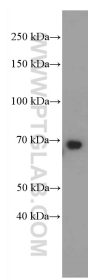
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

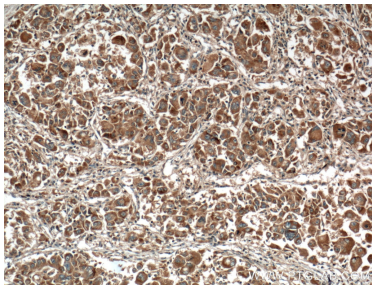
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

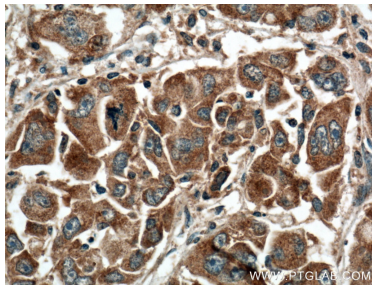
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 66453-1-Ig (GNPAT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66453-1-Ig (GNPAT antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66453-1-Ig (GNPAT antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).