For Research Use Only

GNPAT Monoclonal antibody

Catalog Number:66453-1-Ig

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Basic Information

Catalog Number:
66453-1-Ig

Size:
150ul , Concentration: 1700 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6740

GenBank Accession Number:
BC000450

GeneID (NCBI):
8443

Full Name:
glyceronephosphate O-acyltransferase

Calculated MW:
77 kDa

Observed MW:
65-69 kDa

Purification Method:
Protein A purification

CloneNo.:
2E5C10

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:200-1:800

Applications

Tested Applications:
IHC, WB,ELISA

Species Specificity:
human

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 : HeLa cells, COLO 320 cells, HepG2 cells

IHC : 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.

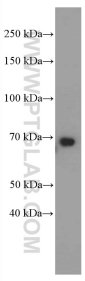
Storage

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

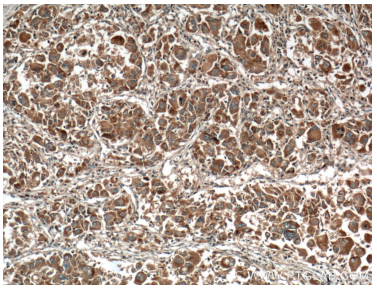
***** 20ul sizes contain 0.1% BSA**

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

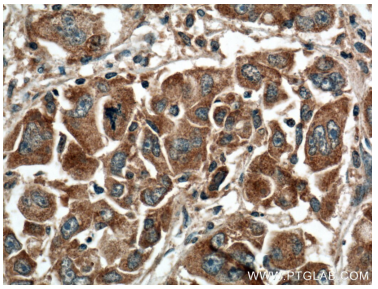
Selected Validation Data



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).