

GNPAT Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6909b

Specification

GNPAT Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O15228
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	77188
Antigen Region	654-680

GNPAT Antibody (C-term) - Additional Information

Gene ID 8443

Other Names

Dihydroxyacetone phosphate acyltransferase, DAP-AT, DHAP-AT,
Acyl-CoA:dihydroxyacetonephosphate acyltransferase, Glycerone-phosphate O-acyltransferase,
GNPAT, DAPAT, DHAPAT

Target/Specificity

This GNPAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 654-680 amino acids from the C-terminal region of human GNPAT.

Dilution

FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GNPAT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GNPAT Antibody (C-term) - Protein Information

Name GNPAT ([HGNC:4416](#))

Function Dihydroxyacetonephosphate acyltransferase catalyzing the first step in the biosynthesis of plasmalogens, a subset of phospholipids that differ from other glycerolipids by having an alkyl chain attached through a vinyl ether linkage at the sn-1 position of the glycerol backbone, and which unique physical properties have an impact on various aspects of cell signaling and membrane biology.

Cellular Location

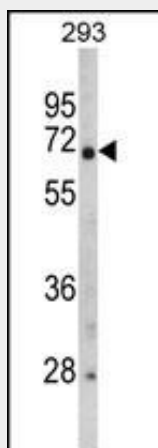
Peroxisome membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9ES71}; Matrix side {ECO:0000250|UniProtKB:Q9ES71}. Note=Exclusively localized to the luminal side of the peroxisomal membrane {ECO:0000250|UniProtKB:Q9ES71}

GNPAT Antibody (C-term) - Protocols

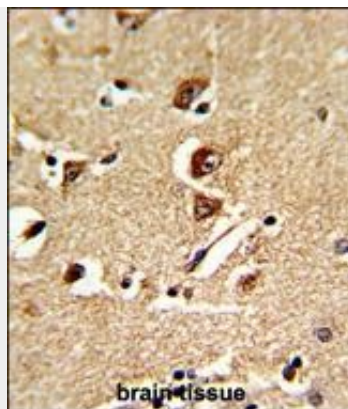
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

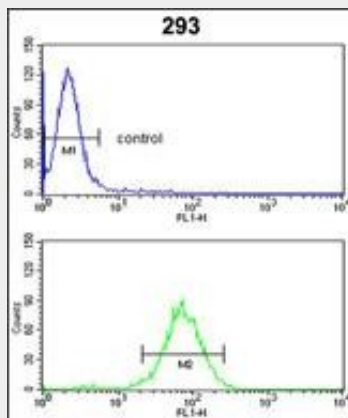
GNPAT Antibody (C-term) - Images



Western blot analysis of GNPAT Antibody (C-term) (Cat. #AP6909b) in 293 cell line lysates (35ug/lane). GNPAT (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with GNPAT Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



GNPAT Antibody (C-term) (Cat. #AP6909b) flow cytometric analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GNPAT Antibody (C-term) - Background

GNPAT is an enzyme located in the peroxisomal membrane which is essential to the synthesis of ether phospholipids.

GNPAT Antibody (C-term) - References

Ofman, R., et al., Biochem. Biophys. Res. Commun. 281 (3), 754-760 (2001)