

AGPAT5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18759a

Specification

AGPAT5 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9NUQ2
Other Accession	NP_060831.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42072
Antigen Region	28-55

AGPAT5 Antibody (N-term) - Additional Information

Gene ID 55326

Other Names

1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon, 1-acylglycerol-3-phosphate O-acyltransferase 5, 1-AGP acyltransferase 5, 1-AGPAT 5, Lysophosphatidic acid acyltransferase epsilon, LPAAT-epsilon, AGPAT5

Target/Specificity

This AGPAT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-55 amino acids from the N-terminal region of human AGPAT5.

Dilution

WB~~1:1000

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

AGPAT5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AGPAT5 Antibody (N-term) - Protein Information

Name AGPAT5

Function Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (PubMed:[21173190](#)). Acts on LPA containing saturated or unsaturated fatty acids C15:0-C20:4 at the sn-1 position using C18:1-CoA as the acyl donor (PubMed:[21173190](#)). Also acts on lysophosphatidylethanolamine using oleoyl-CoA, but not arachidonoyl-CoA, and lysophosphatidylinositol using arachidonoyl-CoA, but not oleoyl-CoA (PubMed:[21173190](#)). Activity toward lysophosphatidylglycerol not detectable (PubMed:[21173190](#)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus envelope Mitochondrion

Tissue Location

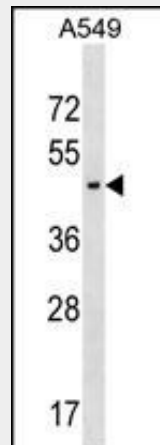
Widely expressed.

AGPAT5 Antibody (N-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](#)

AGPAT5 Antibody (N-term) - Images



AGPAT5 Antibody (N-term)(Cat. #AP18759a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the AGPAT5 antibody detected the AGPAT5 protein (arrow).

AGPAT5 Antibody (N-term) - Background

This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis.

AGPAT5 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Agarwal, A.K., et al. Arch. Biochem. Biophys. 449 (1-2), 64-76 (2006) :
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
Lu, B., et al. Biochem. J. 385 (PT 2), 469-477 (2005) :
Leung, D.W. Front. Biosci. 6, D944-D953 (2001) :