

AGPAT6 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9647a

Specification

AGPAT6 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q86UL3
Other Accession	A3FPG8
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52071
Antigen Region	45-74

AGPAT6 Antibody (N-term) - Additional Information

Gene ID 137964

Other Names

Glycerol-3-phosphate acyltransferase 4, GPAT4, 1-acylglycerol-3-phosphate O-acyltransferase 6, 1-AGP acyltransferase 6, 1-AGPAT 6, Acyl-CoA:glycerol-3-phosphate acyltransferase 4, Lysophosphatidic acid acyltransferase zeta, LPAAT-zeta, AGPAT6, GPAT4

Target/Specificity

This AGPAT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the N-terminal region of human AGPAT6.

Dilution

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

AGPAT6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AGPAT6 Antibody (N-term) - Protein Information

Name GPAT4 ([HGNC:20880](#))

Function Converts glycerol-3-phosphate to 1-acyl-sn-glycerol-3- phosphate (lysophosphatidic acid or LPA) by incorporating an acyl moiety at the sn-1 position of the glycerol backbone (PubMed:[18238778](#)). Active against both saturated and unsaturated long-chain fatty acyl- CoAs (PubMed:[18238778](#)). Protects cells against lipotoxicity (PubMed:[30846318](#)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

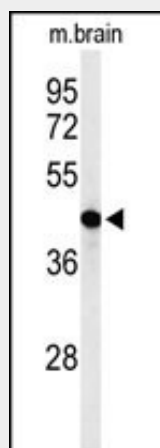
Ubiquitous. High levels in testis. Relatively high level of expression in skeletal muscle and heart. Relatively low level of expression in lung.

AGPAT6 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](#)

AGPAT6 Antibody (N-term) - Images



Western blot analysis of AGPAT6 Antibody (N-term) (Cat. #AP9647a) in mouse brain tissue lysates (35ug/lane).AGPAT6 (arrow) was detected using the purified Pab.

AGPAT6 Antibody (N-term) - Background

Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.

AGPAT6 Antibody (N-term) - References

Chen, Y.Q., et al. J. Biol. Chem. 283(15):10048-10057(2008)
Tan, X.J., et al. Yi Chuan Xue Bao 33(4):294-303(2006)
Li, D., et al. J. Hum. Genet. 48(8):438-442(2003)