

AGPAT6 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9647a

Specification

AGPAT6 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q86UL3](#)

AGPAT6 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AGPAT6 Antibody (N-term) Blocking Peptide - 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](http://www.uniprot.org/citations/18238778)). Active against both saturated and unsaturated long-chain fatty acyl-CoAs (PubMed:[18238778](http://www.uniprot.org/citations/18238778)). Protects cells against lipotoxicity (PubMed:[30846318](http://www.uniprot.org/citations/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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AGPAT6 Antibody (N-term) Blocking Peptide - Images

AGPAT6 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)