AGPAT5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AGPAT5, Polyclonal Antibody
Full Product Name	AGPAT5 Polyclonal Antibody
Product Gene Name	anti-AGPAT5 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	42kDa
OMIM	614796
3D Structure	ModBase 3D Structure for Q9NUQ2
Immunogen	Recombinant protein of human AGPAT5 (NP_060831.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AGPAT5 antibody	Western Blot (WB)
Application Notes for anti-AGPAT5 antibody	WB: 1:1000-1:2000
Related Product Information for anti-AGPAT5 antibody	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. A pseudogene of this gene is present on the Y chromosome.
Other Notes	Small volumes of anti-AGPAT5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AGPAT5 purchase	MBS8567670 is an antibody targeting AGPAT5. Also known as AGPAT5 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AGPAT5. It may not necessarily be applicable to this product.

NCBI GI #	61743952
NCBI GeneID	55326
NCBI Accession #	NP_060831.2
UniProt Primary Accession #	Q9NUQ2
UniProt Related Accession #	Q9NUQ2

GenBank Nucleotide #	NP_060831.2
NCBI Official Full Name	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon
NCBI Official Synonym Full Names	1-acylglycerol-3-phosphate O-acyltransferase 5
NCBI Official Symbol	AGPAT5
NCBI Official Synonym Symbols	LPAATE; 1AGPAT5
UniProt Protein Name	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon
UniProt Synonym Protein Names	1-acylglycerol-3-phosphate O-acyltransferase 5; 1-AGP acyltransferase 5; 1-AGPAT 5; Lysophosphatidic acid acyltransferase epsilon
Protein Family	1-acyl-sn-glycerol-3-phosphate acyltransferase
UniProt Gene Name	AGPAT5
UniProt Synonym Gene Names	1-AGP acyltransferase 5; 1-AGPAT 5
UniProt Entry Name	PLCE_HUMAN
NCBI Protein Information	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon
UniProt Comments for AGPAT5	AGPAT5: Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone. Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. Protein type: Membrane protein, integral; EC 2.3.1.51; Transferase; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 8p23.1 Cellular Component: mitochondrial outer membrane; endoplasmic reticulum membrane; mitochondrion; integral to membrane; nuclear envelope Molecular Function: 1-acylglycerol-3-phosphate O-acyltransferase activity Biological Process: phospholipid metabolic process; glycerophospholipid biosynthetic process; phosphatidic acid biosynthetic process; triacylglycerol biosynthetic process; hemopoietic progenitor cell differentiation; cellular lipid metabolic process; CDP-diacylglycerol biosynthetic process; phospholipid biosynthetic process
Research Articles on AGPAT5	**1.** enzymatic properties, tissue distribution, and subcellular localization of human AGPAT3 and AGPAT5
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