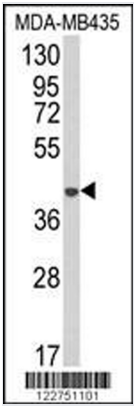
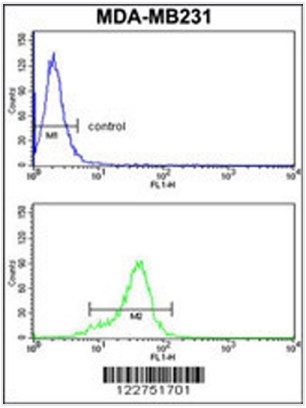
AGPAT4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AGPAT4, Polyclonal Antibody
Full Product Name	AGPAT4, ID (1-acyl-sn-glycerol-3-phosphate Acyltransferase delta, 1-acylglycerol-3-phosphate O-acyltransferase 4, 1-AGP Acyltransferase 4, 1-AGPAT 4, Lysophosphatidic Acid Acyltransferase delta, LPAAT-delta, UNQ499/PRO1016)
Product Gene Name	anti-AGPAT4 antibody
Product Synonym Names	Anti -AGPAT4, ID (1-acyl-sn-glycerol-3-phosphate Acyltransferase delta, 1-acylglycerol-3-phosphate O-acyltransferase 4, 1-AGP Acyltransferase 4, 1-AGPAT 4, Lysophosphatidic Acid Acyltransferase delta, LPAAT-delta, UNQ499/PRO1016)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human AGPAT4.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	8,257 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (161551057..161695107, complement). Location: 6q26
3D Structure	ModBase 3D Structure for Q6PJN9
Immunogen	Synthetic peptide selected from the Center region of human AGPAT4 (KLH).
Product Categories/Family for anti-AGPAT4 antibody	Antibodies; Abs to Enzymes; Acyltransferase
Applications Tested/Suitable for anti-AGPAT4 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-AGPAT4 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:1,000 Western Blot: 1:100-1:500
Related Product Information for anti-AGPAT4 antibody	AGPAT4 converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.
Other Notes	Small volumes of anti-AGPAT4 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 AGPAT4 purchase	MBS628155 is an antibody targeting AGPAT4. Also known as AGPAT4, ID (1-acyl-sn-glycerol-3-phosphate Acyltransferase delta, 1-acylglycerol-3-phosphate O-acyltransferase 4, 1-AGP Acyltransferase 4, 1-AGPAT 4, Lysophosphatidic Acid Acyltransferase delta, LPAAT-delta, UNQ499/PRO1016). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-AGPAT4 antibody
Western blot analysis of AGPAT4 Antibody (Center) in MDA-MB435 cell line lysates (35ug/lane). AGPAT4 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-AGPAT4 antibody
AGPAT4 Antibody (Center) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AGPAT4. It may not necessarily be applicable to this product.

NCBI GI #	38196950
NCBI GeneID	56895
UniProt Primary Accession #	Q6PJN9
UniProt Related Accession #	Q6AI25; Q6PJN9; Q9NRZ5
NCBI Official Full Name	AGPAT4 protein
NCBI Official Synonym Full Names	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)
NCBI Official Symbol	AGPAT4
NCBI Official Synonym Symbols	1-AGPAT4; dJ473J16.2; LPAAT-delta; RP3-473J16.2
UniProt Protein Name	AGPAT4 protein
Protein Family	1-acyl-sn-glycerol-3-phosphate acyltransferase
UniProt Gene Name	AGPAT4
UniProt Entry Name	Q6PJN9_HUMAN
NCBI Protein Information	1-acyl-sn-glycerol-3-phosphate acyltransferase delta; 1-AGPAT 4; OTTHUMP00000017554; 1-AGP acyltransferase 4; lysophosphatidic acid acyltransferase delta; lysophosphatidic acid acyltransferase-delta (LPAAT-delta)
NCBI Summary for AGPAT4	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. [provided by RefSeq]

UniProt Comments for AGPAT4	AGPAT4: 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: Lipid Metabolism - glycerophospholipid; Membrane protein, multi-pass; Lipid Metabolism - glycerolipid; Lipid Metabolism - ether lipid; EC 2.3.1.51; Membrane protein, integral; Transferase Chromosomal Location of Human Ortholog: 6q26 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: 1-acylglycerol-3-phosphate O-acyltransferase activity Biological Process: phospholipid metabolic process; glycerophospholipid biosynthetic process; phosphatidic acid biosynthetic process; triacylglycerol biosynthetic process; cellular lipid metabolic process; CDP-diacylglycerol biosynthetic process; phospholipid biosynthetic process
Research Articles on AGPAT4	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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