

Rabbit anti-Human AGPAT3 Polyclonal Antibody | anti-AGPAT3 antibody

AGPAT3 Antibody (Center)

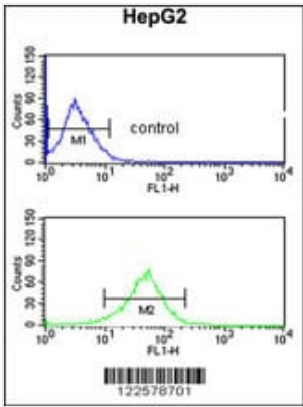
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287429	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

AGPAT3; Polyclonal Antibody; AGPAT3 Antibody (Center); 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma; 1-acylglycerol-3-phosphate O-acyltransferase 3; 1-AGP acyltransferase 3; 1-AGPAT 3; Lysophosphatidic acid acyltransferase gamma; LPAAT-gamma; LPAAT3; anti-AGPAT3 antibody

PRODUCT SPECIFICATIONS

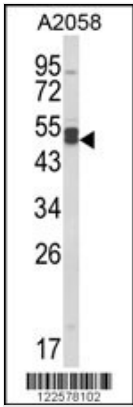
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AGPAT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-269 amino acids from the Central region of human AGPAT3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.487 (varies by lot)
Sequence Positions	241-269
Sequence Length	396
Applicable Applications for anti-AGPAT3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
AGPAT3 Antibody (Center) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with AGPAT3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of AGPAT3 Antibody (Center) in A2058 cell line lysates (35ug/lane). AGPAT3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AGPAT3 antibody	AGPAT3 is an acyltransferase that converts lysophosphatidic acid into phosphatidic acid, which is the second step in the de novo phospholipid biosynthetic pathway. This protein may be an integral membrane protein.
Product Categories/Family for anti-AGPAT3 antibody	Metabolism; Signal Transduction
References	Leung,D.W. et.al., Front. Biosci. 6, D944-D953 (2001) Lu,B., et.al., Biochem. J. 385 (PT 2), 469-477 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	83267874
NCBI GeneID	56894
NCBI Accession #	NP_001032642.1; NP_064517.1
NCBI GenBank Nucleotide #	NM_001037553.1
UniProt Accession #	Q9NRZ7; Q3ZCU2; Q6UWP6; Q6ZUC6; Q8N3Q7; Q9NRZ6; D3DSL2
Molecular Weight	43381

NCBI Official Full Name	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
NCBI Official Synonym Full Names	1-acylglycerol-3-phosphate O-acyltransferase 3
NCBI Official Symbol	AGPAT3
NCBI Official Synonym Symbols	LPAAT3; LPAAT-GAMMA1
NCBI Protein Information	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
UniProt Protein Name	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
UniProt Gene Name	AGPAT3
UniProt Synonym Gene Names	LPAAT3; 1-AGP acyltransferase 3; 1-AGPAT 3; LPAAT-gamma
UniProt Entry Name	PLCC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/agpat3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287429>