

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

AGPAT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233670	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

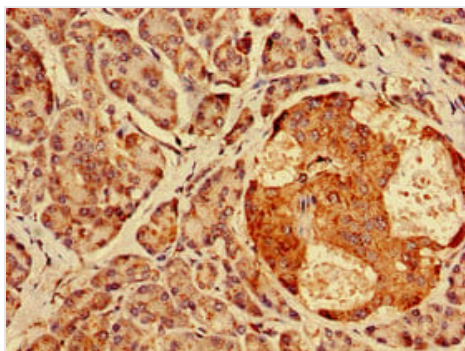
PRODUCT SYNONYMS

AGPAT3; Polyclonal Antibody; AGPAT3 Antibody; 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; UNQ759/PRO1490; anti-AGPAT3 antibody

PRODUCT SPECIFICATIONS

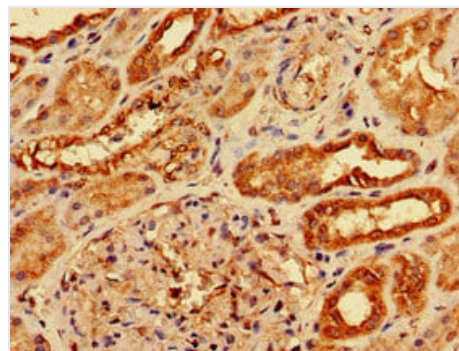
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	376
Applicable Applications for anti-AGPAT3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma protein (148-304AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



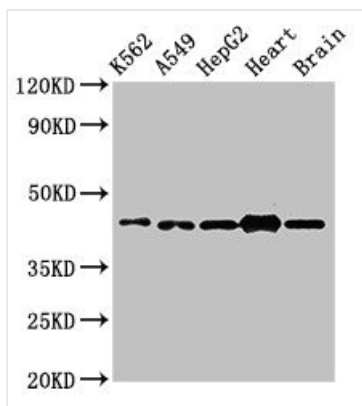
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA233670 at dilution of 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA233670 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in: K562 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, Mouse heart tissue, Mouse brain tissueAll lanes: AGPAT3 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 44, 37, 46 KDaObserved band size: 44 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-AGPAT3 antibody	Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone. Acts on LPA containing saturated or unsaturated fatty acids C16:0-C20:4 at the sn-1 position using C18:1, C20:4 or C18:2-CoA as the acyl donor. Also acts on lysophosphatidylcholine, lysophosphatidylinositol and lysophosphatidylserine using C18:1 or C20:4-CoA (PubMed:21173190). Has a preference for arachidonoyl-CoA as a donor. Has also a modest lysophosphatidylinositol acyltransferase (LPIAT) activity, converts lysophosphatidylinositol (LPI) into phosphatidylinositol (By similarity).
Product Categories/Family for anti-AGPAT3 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	83267874
NCBI GeneID	56894
NCBI Accession #	NP_001032642.1
NCBI GenBank Nucleotide #	NM_001037553.1
UniProt Accession #	Q9NRZ7; Q3ZCU2; Q6UWP6; Q6ZUC6; Q8N3Q7; Q9NRZ6; D3DSL2
Molecular Weight	45,514 Da
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

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.