Rabbit AGPAT3 Polyclonal Antibody | anti-AGPAT3 antibody

AGPAT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324326	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

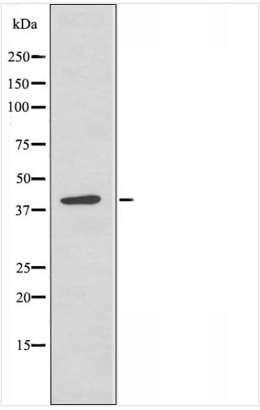
PRODUCT SYNONYMS

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; acyltransferase gamma; LPAAT-gamma; Lysophosphatidic acid acyltransferase gamma; PLCC_HUMAN; UNQ759/PRO1490; anti-AGPAT3 antibody

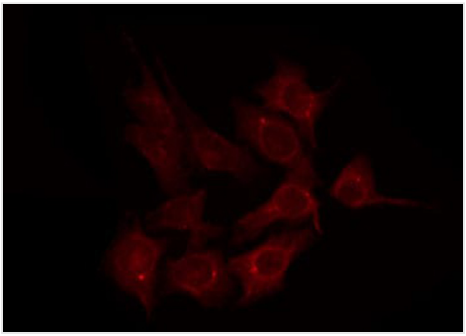
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AGPAT3 antibody detects endogenous levels of total AGPAT3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-AGPAT3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.
Predicted Cross Reactivity	**Pig, Zebrafish, Horse, Sheep, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Zebrafish (86%), Horse (93%), Sheep (86%), Dog (86%), Chicken (93%), Xenopus (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

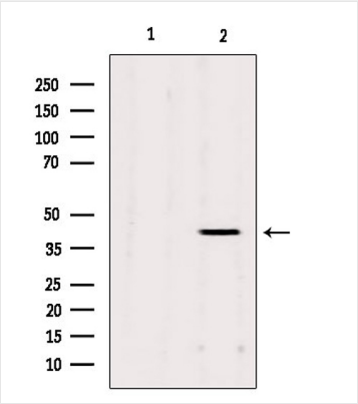
IMAGES



WB (Western Blot)
Western blot analysis of extracts from K562 cells, using AGPAT3 antibody.



IF (Immunofluorescence)
AAA324326 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Mouse cancer, using AGPAT3 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AGPAT3 antibody	Function: 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). Similarity: The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate. Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.

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	Observed: 40 kD Predicted: 44 kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/agpat3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324326