

Rabbit anti-Human, Mouse LPGAT1 Polyclonal Antibody | anti-LPGAT1 antibody

LPGAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327817	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

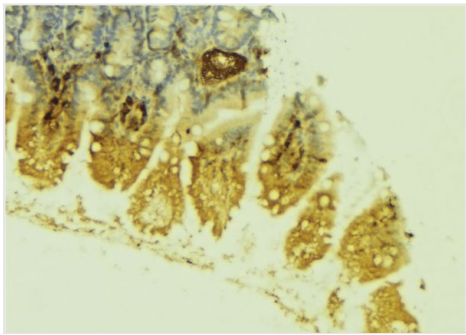
PRODUCT SYNONYMS

LPGAT1; Polyclonal Antibody; LPGAT1 Antibody; Acyl CoA:lysophosphatidylglycerol acyltransferase 1; Acyl-CoA:lysophosphatidylglycerol acyltransferase 1; FAM34A; FAM34A1; Family with sequence similarity 34 member A; KIAA0205; LGAT1_HUMAN; Lpgat1; lysophosphatidylglycerol acyltransferase 1; NET8; anti-LPGAT1 antibody

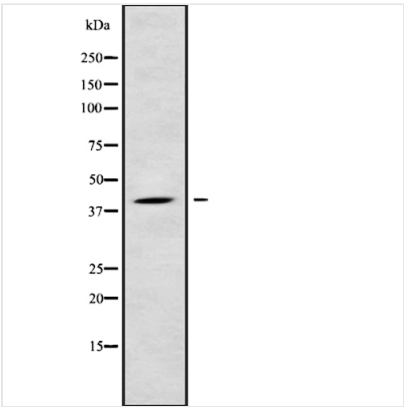
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	LPGAT1 antibody detects endogenous levels of total LPGAT1
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	370
Applicable Applications for anti-LPGAT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LPGAT1
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Highly expressed in liver and placenta. Also expressed in peripheral blood, lung, kidney and brain. Detected at lower levels in colon.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327817 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of LPGAT1 using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-LPGAT1 antibody	Function: Lysophosphatidylglycerol (LPG) specific acyltransferase that recognizes various acyl-CoAs and LPGs as substrates but demonstrates a clear preference for long chain saturated fatty acyl-CoAs and oleoyl-CoA as acyl donors. Prefers oleoyl-LPG over palmitoyl-LPG as an acyl receptor and oleoyl-CoA over lauroyl-CoA as an acyl donor. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1002924686
NCBI GeneID	9926
NCBI Accession #	NP_001307737.1
NCBI GenBank Nucleotide #	NM_001320808.1
UniProt Accession #	Q92604; Q53YL2
Molecular Weight	Observed: 43 kDa Predicted: 44 kDa
NCBI Official Full Name	acyl-CoA:lysophosphatidylglycerol acyltransferase 1
NCBI Official Synonym Full Names	lysophosphatidylglycerol acyltransferase 1
NCBI Official Symbol	LPGAT1
NCBI Official Synonym Symbols	NET8; FAM34A; FAM34A1
NCBI Protein Information	acyl-CoA:lysophosphatidylglycerol acyltransferase 1
UniProt Protein Name	Acyl-CoA:lysophosphatidylglycerol acyltransferase 1
UniProt Gene Name	LPGAT1
UniProt Synonym Gene Names	FAM34A; KIAA0205

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.