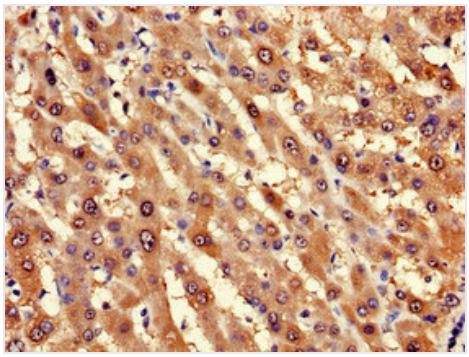
LPGAT1 Antibody – Rabbit Polyclonal

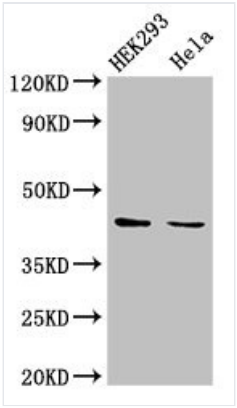
PRODUCT OVERVIEW

Product Name	LPGAT1, Polyclonal Antibody
Full Product Name	LPGAT1 Antibody
Product Gene Name	anti-LPGAT1 antibody
Product Synonym Names	Acyl-CoA:lysophosphatidylglycerol acyltransferase 1 (EC 2.3.1.-); LPGAT1; FAM34A; KIAA0205
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: LPGAT1 (MBS7002083) Biotin Conjugated Antibody: LPGAT1 (MBS7000256)
Matching Pairs	Unconjugated Antibody: LPGAT1 (MBS7002083) HRP Conjugated Antibody: LPGAT1 (MBS7002289)
Matching Pairs	Unconjugated Antibody: LPGAT1 (MBS7002083) FITC Conjugated Antibody: LPGAT1 (MBS7004511)
OMIM	610473
3D Structure	ModBase 3D Structure for Q92604
Immunogen	Recombinant human Acyl-CoA:lysophosphatidylglycerol acyltransferase 1 protein (151-341AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	LPGAT1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LPGAT1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-LPGAT1 antibody	WB: 1:200-1:3000 IHC: 1:20-1:200
Related Product Information for anti-LPGAT1 antibody	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.
Other Notes	Small volumes of anti-LPGAT1 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 LPGAT1 purchase	MBS7002083 is an antibody targeting LPGAT1. Also known as LPGAT1 Antibody. Host: Rabbit.



Immunohistochemistry (IHC) of anti-LPGAT1 antibody
Immunohistochemistry of paraffin-embedded human liver cancer using MBS7002083 at dilution of 1:100



Western Blot (WB) of anti-LPGAT1 antibody
Western BlotPositive WB detected in: HEK293 whole cell lysate,Hela whole cell lysateAll lanes: LPGAT1 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 44 KDaObserved band size: 44 KDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LPGAT1. It may not necessarily be applicable to this product.

NCBI GI #	7661996
NCBI GeneID	9926
NCBI Accession #	NP_055688.1
UniProt Primary Accession #	Q92604
UniProt Secondary Accession #	Q53YL2
UniProt Related Accession #	Q92604
GenBank Nucleotide #	NM_014873.2
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
UniProt Protein Name	Acyl-CoA:lysophosphatidylglycerol acyltransferase 1
Protein Family	Acyl-CoA:lysophosphatidylglycerol acyltransferase
UniProt Gene Name	LPGAT1
UniProt Synonym Gene Names	FAM34A; KIAA0205
UniProt Entry Name	LGAT1_HUMAN
NCBI Protein Information	acyl-CoA:lysophosphatidylglycerol acyltransferase 1
NCBI Summary for LPGAT1	Acyl-CoA:lysophosphatidylglycerol (LPG) acyltransferase catalyzes the reacylation of LPG to phosphatidylglycerol, a membrane phospholipid that is an important precursor for the synthesis of cardiolipin (Yang et al., 2004 [PubMed 15485873]).[supplied by OMIM, Mar 2008]

UniProt Comments for LPGAT1	LPGAT1: Lysophoshatidylglycerol (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. Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. Protein type: Membrane protein, multi-pass; EC 2.3.1.-; Transferase; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q32 Cellular Component: cytoplasm; endoplasmic reticulum membrane; integral to membrane; membrane Molecular Function: transferase activity, transferring acyl groups Biological Process: glycerophospholipid biosynthetic process; phospholipid metabolic process
Research Articles on LPGAT1	**1.** LPGAT1 is a novel gene that influences BMI in Native Americans.
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Online datasheet: https://www.mybiosource.com/polyclonal-antibody/lpgat1/7002083