

Rabbit anti-Human, mouse LCLT1 Polyclonal Antibody | anti-LCLAT1 antibody

LCLT1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288475	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

LCLT1; Polyclonal Antibody; LCLT1 Antibody (C-term); Lysocardiolipin acyltransferase 1; 231-; 1-acylglycerol-3-phosphate O-acyltransferase 8; 1-AGP acyltransferase 8; 1-AGPAT 8; Acyl-CoA:lysocardiolipin acyltransferase 1; LCLAT1; AGPAT8; ALCAT1; LYCAT; anti-LCLAT1 antibody

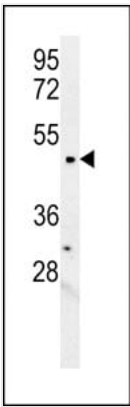
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LCLT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-324 amino acids from the C-terminal region of human LCLT1.
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.
Sequence Positions	296-324
Sequence Length	376
Applicable Applications for anti-LCLAT1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Expressed at higher level in heart, kidney and pancreas than in brain, spleen, liver, lung, small intestine and placenta.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
LCLT1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LCLT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
LCLT1 Antibody (C-term) western blot analysis in mouse kidney tissue lysates (15ug/lane).This demonstrates the LCLT1 antibody detected LCLT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LCLAT1 antibody	Acyl-CoA:lysocardiolipin acyltransferase. Possesses both lysophosphatidylinositol acyltransferase (LPIAT) and lysophosphatidylglycerol acyltransferase (LPGAT) activities. Recognizes both monolysocardiolipin and dilysocardiolipin as substrates with a preference for linoleoyl-CoA and oleoyl-CoA as acyl donors. Acts as a remodeling enzyme for cardiolipin, a major membrane polyglycerophospholipid. Converts lysophosphatidic acid (LPA) into phosphatidic acid (PA) with a relatively low activity. Required for establishment of the hematopoietic and endothelial lineages.
Product Categories/Family for anti-LCLAT1 antibody	Metabolism; Signal Transduction
References	Zhao, Y., et al. J. Lipid Res. 50(5):945-956(2009) Wang, C., et al. Blood 110(10):3601-3609(2007) Agarwal, A.K., et al. Arch. Biochem. Biophys. 449 (1-2), 64-76 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659059
NCBI GeneID	253558
NCBI Accession #	NP_001002257.1; NP_872357.2
NCBI GenBank Nucleotide #	NM_001002257.2
UniProt Accession #	Q6UWP7; Q8N1Q7; A6H8Z7
NCBI Official Full Name	lysocardiolipin acyltransferase 1 isoform 2
NCBI Official Synonym Full Names	lysocardiolipin acyltransferase 1
NCBI Official Symbol	LCLAT1
NCBI Official Synonym Symbols	LYCAT; AGPAT8; ALCAT1; 1AGPAT8; UNQ1849; HSRG1849
NCBI Protein Information	lysocardiolipin acyltransferase 1
UniProt Protein Name	Lysocardiolipin acyltransferase 1
UniProt Gene Name	LCLAT1
UniProt Synonym Gene Names	AGPAT8; ALCAT1; LYCAT; 1-AGP acyltransferase 8; 1-AGPAT 8

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/lclt1-antibody-immunohistochemistry-western-blot-elisa/288475>