

Rabbit LYCAT Polyclonal Antibody | anti-LCLAT1 antibody

LYCAT antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199443	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

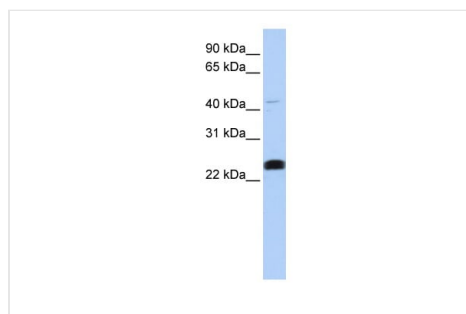
PRODUCT SYNONYMS

LYCAT; Polyclonal Antibody; LYCAT antibody - middle region; anti-LCLAT1 antibody

PRODUCT SPECIFICATIONS

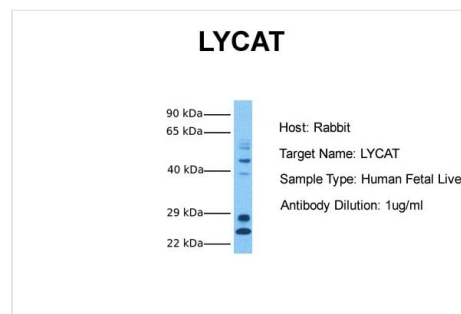
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: YL YSLVKWYFII TIVIFVLQER IFGGLEIIEI ACYRLLHKQP HLNSKKNE
Sequence Length	376
Applicable Applications for anti-LCLAT1 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 92%; Guinea Pig: 92%; Horse: 93%; Human: 100%; Mouse: 92%; Rabbit: 100%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human LYCAT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



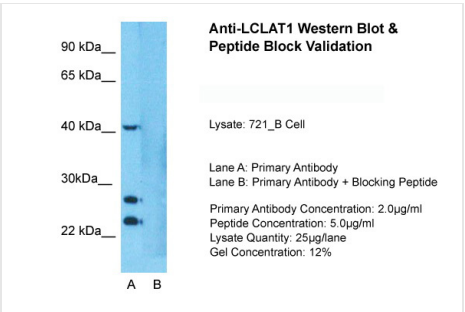
WB (Western Blot)

WB Suggested Anti-LYCAT Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:1562500
 Positive Control: 721_B cell lysate



WB (Western Blot)

Host: Rabbit
 Target Name: LYCAT
 Sample Tissue: Human Fetal Liver
 Antibody Dilution: 1.0ug/ml



WB (Western Blot)
Host: Rabbit
Target Name: LCLAT1
Sample Type: Human 721_B cell
Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 1 µg/ml
Peptide Concentration: 5.0 µg/ml
Lysate Quantity: 25 µg/lane
Gel Concentration: 12%

ADDITIONAL INFORMATION

Related Product Information for anti-LCLAT1 antibody	This is a rabbit polyclonal antibody against LYCAT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: LYCAT is an acyl-CoA:lysocardiolipin acyltransferase. It possesses both lysophosphatidylinositol acyltransferase (LPIAT) and lysophosphatidylglycerol acyltransferase (LPGAT) activities. LYCAT recognizes both monolysocardiolipin and dilyocardiolipin as substrates with a preference for linoleoyl-CoA and oleoyl-CoA as acyl donors. LYCAT acts as a remodeling enzyme for cardiolipin, a major membrane polyglycerophospholipid. It converts lysophosphatidic acid (LPA) into phosphatidic acid (PA) with a relatively low activity. LYCAT is required for establishment of the hematopoietic and endothelial lineages.
Product Categories/Family for anti-LCLAT1 antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659059
NCBI GeneID	253558
NCBI Accession #	NP_001002257
NCBI GenBank Nucleotide #	NM_001002257
UniProt Accession #	Q6UWP7
Molecular Weight	44kDa
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
UniProt Entry Name	LCLT1_HUMAN

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.

