

Rabbit LCAT Polyclonal Antibody | anti-LCAT antibody

Anti-LCAT Antibody

CATALOG # AAA46225	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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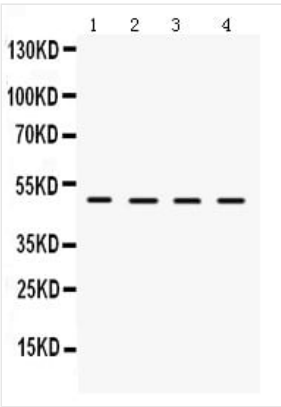
PRODUCT SYNONYMS

LCAT; Polyclonal Antibody; Anti-LCAT Antibody; Phosphatidylcholine-sterol acyltransferase; LCAT_HUMAN; Lecithin cholesterol acyltransferase; Lecithin-cholesterol acyltransferase; Phosphatidylcholine sterol acyltransferase; Phospholipid cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase antibody; lecithin-cholesterol acyltransferase; anti-LCAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	438
Applicable Applications for anti-LCAT antibody	WB (Western Blot)
Gene name	Lecithin-cholesterol acyltransferase
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse LCAT (389-423aa QPVHLLPMNETDHLNMVFSNKTLEHINAILLGAYR), different from the related human sequence by six amino acids, and from the related rat sequence by four amino acids.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti- LCAT Picoband antibody, AAA46225, Western blottingAll lanes: Anti LCAT (AAA46225)
at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Testis Tissue Lysate at 50ugLane 3: HEPG2 Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-LCAT antibody	Description: Rabbit IgG polyclonal antibody for Phosphatidylcholine-sterol acyltransferase(LCAT) detection. Tested with WB in Human;Mouse;Rat. Background: LCAT (Lecithin: Cholesterol Acyltransferase), is an enzyme that converts free cholesterol into cholesteryl ester. Azoulay et al. (1987) used a cDNA clone corresponding to LCAT to assign the locus to 16q22 through the analysis of DNA from somatic cell hybrids and in situ hybridization. LCAT plays an important role in lipoprotein metabolism, especially in the process termed 'reverse cholesterol transport.' The enzyme is synthesized in the liver and circulates in blood plasma as a complex with components of high density lipoprotein (HDL). Cholesterol from peripheral cells is transferred to HDL particles, esterified through the action of LCAT on HDL, and incorporated into the core of the lipoprotein. The cholesterol ester is thereby transported to the liver (Jonas, 2000).
References	1. Azoulay, M., Henry, I., Tata, F., Weil, D., Grzeschik, K. H., Chaves, E., McIntyre, N., Williamson, R., Humphries, S. E., Junien, C. The structural gene for lecithin:cholesterol acyl transferase (LCAT) maps to 16q22. Ann. Hum. Genet. 51: 129-136, 1987. 2. Frohlich, J., McLeod, R., Hon, K. Lecithin:cholesterol acyl transferase (LCAT). Clin. Biochem. 15: 269-278, 1982. 3. Jonas, A. Lecithin cholesterol acyltransferase. Biochim. Biophys. Acta 1529: 245-256, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	244791354
NCBI GeneID	16816
NCBI Accession #	NP_032516.2
NCBI GenBank Nucleotide #	NM_008490.2
UniProt Accession #	P16301; Q8K139
Molecular Weight	49,747 Da
NCBI Official Full Name	phosphatidylcholine-sterol acyltransferase
NCBI Official Synonym Full Names	lecithin cholesterol acyltransferase
NCBI Official Symbol	Lcat
NCBI Official Synonym Symbols	Ai046659; D8Wsu61e
NCBI Protein Information	phosphatidylcholine-sterol acyltransferase
UniProt Protein Name	Phosphatidylcholine-sterol acyltransferase

UniProt Gene Name	Lcat
UniProt Entry Name	LCAT_MOUSE

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://stage.aaabiotech.com/polyclonal/lcat-antibody-western-blot-elisa/46225>