

Rabbit anti-Human LCAT Polyclonal Antibody | anti-LCAT antibody

LCAT Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289456	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

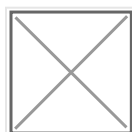
PRODUCT SYNONYMS

LCAT; Polyclonal Antibody; LCAT Antibody (Center); Phosphatidylcholine-sterol acyltransferase; Lecithin-cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase; anti-LCAT antibody

PRODUCT SPECIFICATIONS

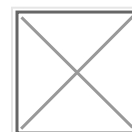
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LCAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-313 amino acids from the Central region of human LCAT.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	285-313
Sequence Length	440
Applicable Applications for anti-LCAT antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Cellular Location	Secreted. Note=Secreted into blood plasma. Produced in astrocytes and secreted into cerebral spinal fluid (CSF)
Tissue Location	Expressed mainly in brain, liver and testes. Secreted into plasma and cerebral spinal fluid. Expressed in Hep- G2 cell line.
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



FCM/FACS (Flow Cytometry)

LCAT Antibody (Center) flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



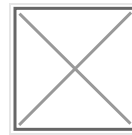
IF (Immunofluorescence)

Confocal immunofluorescent analysis of LCAT Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

LCAT Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LCAT Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of LCAT Antibody (Center) in K562 cell line lysates (35ug/lane). LCAT (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LCAT antibody	LCAT encodes the extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport.
Product Categories/Family for anti-LCAT antibody	Cancer ; Cardiovascular ; Metabolism ; Signal transduction
References	Weissglas-Volkov, D., et al. Circ Cardiovasc Genet 3(1):31-38(2010) McGeachie, M., et al. Circulation 120(24):2448-2454(2009) Chen, S.N., et al. BMC Med. Genet. 10, 111 (2009) : Voora, D., et al. Circ Cardiovasc Genet 1(2):100-106(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557892
NCBI GeneID	3931
NCBI Accession #	NP_000220.1
NCBI GenBank Nucleotide #	NM_000229.1
UniProt Accession #	P04180 ; Q53XQ3
Molecular Weight	49578
NCBI Official Full Name	phosphatidylcholine-sterol acyltransferase
NCBI Official Synonym Full Names	lecithin-cholesterol acyltransferase
NCBI Official Symbol	LCAT
NCBI Protein Information	phosphatidylcholine-sterol acyltransferase
UniProt Protein Name	Phosphatidylcholine-sterol acyltransferase
UniProt Gene Name	LCAT
UniProt Entry Name	LCAT_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/lcat-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/289456>