

Datasheet for ABIN3031596
anti-LCAT antibody (AA 300-313)



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2 Images

Overview

Quantity:	100 µg
Target:	LCAT
Binding Specificity:	AA 300-313
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCAT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 300-313 (RDFQRFFADLHFEE-human) were used as the immunogen for this LCAT antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	LCAT
Alternative Name:	LCAT (LCAT Products)
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.

Target Details

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).

UniProt: [P04180](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the LCAT antibody may be required due to differences in protocols and secondary/substrate sensitivity. \. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

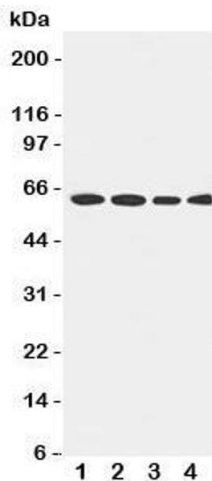
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

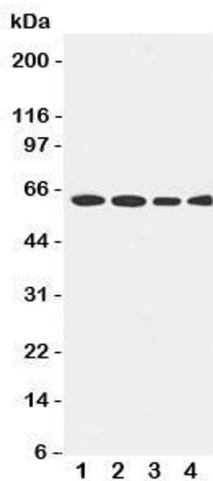
Storage Comment: After reconstitution, the LCAT antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of LCAT antibody and Lane 1: rat brain; 2: U87; 3: HeLa; 4: SMMC-7721 cell lysate. Observed size 50~75KD, depending on glycosylation level.



Western Blotting

Image 2. Western blot testing of LCAT antibody and Lane 1: rat brain