

Datasheet for ABIN2776941
anti-LCAT antibody (N-Term)



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1 Image 1 Publication

Overview

Quantity:	100 µL
Target:	LCAT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCAT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human LCAT
Sequence:	MGPPGSPWQW VTLLLGLLLP PAAPFWLLNV LFPPHTTPKA ELSNHTRPVI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against LCAT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	LCAT
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Target Details

Alternative Name:	LCAT (LCAT Products)
Background:	LCAT is an extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. Mutations in its gene have been found to cause fish-eye disease as well as LCAT deficiency. This gene encodes the extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. Mutations in this gene have been found to cause fish-eye disease as well as LCAT deficiency. Protein Interaction Partner: APOA1, EXOSC10, APOE, APOA2, A2M, Protein Size: 440
Molecular Weight:	48 kDa
Gene ID:	3931
NCBI Accession:	NM_000229 , NP_000220
UniProt:	P04180
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 440 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

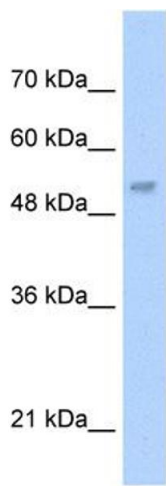
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Hirata, Yimin, Segawa, Ozaki, Kobayashi, Shigyo, Chiba: "Xanthohumol prevents atherosclerosis by reducing arterial cholesterol content via CETP and apolipoprotein E in CETP-transgenic mice. " in: **PLoS ONE**, Vol. 7, Issue 11, pp. e49415, (2012) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-LCAT Antibody Titration: 5.0ug/ml Positive Control: HepG2 cell lysate LCAT is supported by BioGPS gene expression data to be expressed in HepG2