

Datasheet for ABIN1045902

anti-LCAT antibody (AA 25-433) (FITC)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LCAT
Binding Specificity:	AA 25-433
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCAT antibody is conjugated to FITC
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Phosphatidylcholine-sterol acyltransferase protein (25-433AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	LCAT
Alternative Name:	LCAT (LCAT Products)
Background:	Background: Central enzyme in the extracellular metabolism of plasma lipoproteins. Synthesized mainly in the liver and secreted into plasma where it converts cholesterol and

Target Details

phosphatidylcholines (lecithins) to cholesteryl esters and lysophosphatidylcholines on the surface of high and low density lipoproteins (HDLs and LDLs). The cholesterol ester is then transported back to the liver. Has a preference for plasma 16:0-18:2 or 18:0-18:2 phosphatidylcholines. Also produced in the brain by primary astrocytes, and esterifies free cholesterol on nascent APOE-containing lipoproteins secreted from glia and influences cerebral spinal fluid (CSF) APOE- and APOA1 levels. Together with APOE and the cholesterol transporter ABCA1, plays a key role in the maturation of glial-derived, nascent lipoproteins. Required for remodeling high-density lipoprotein particles into their spherical forms.

Aliases: LCAT antibody, LCAT_HUMAN antibody, Lecithin cholesterol acyltransferase antibody, Lecithin-cholesterol acyltransferase antibody, Phosphatidylcholine sterol acyltransferase antibody, Phosphatidylcholine-sterol acyltransferase antibody, Phospholipid cholesterol acyltransferase antibody, Phospholipid-cholesterol acyltransferase antibody

UniProt: [P04180](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: Not yet tested in other applications. Optimal working dilutions should be determined experimentally by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid freeze and thaw cycles. Product is photosensitive and should be protected from light.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.