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anti-LCAT antibody (AA 25-433)





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Quantity:	100 μg
Target:	LCAT
Binding Specificity:	AA 25-433
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCAT antibody is un-conjugated
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	

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, Phospholipid cholesterol acyltransferase antibody, Phospholipid cholesterol acyltransferase antibody, Phospholipid cholesterol acyltransferase antibody, Phospholipid-cholesterol acyltransferase antibody

UniProt:

P04180

Pathways:

Lipid Metabolism

Application Details

Application Notes:

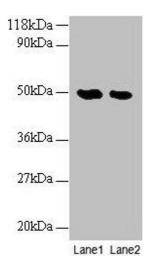
Recommended dilution: WB:1:1000-1:5000,

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



Western Blotting

Image 1. Western blot All lanes: LCAT antibody at 2 μ g/mL Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 50 kDa Observed band size: 50 kDa