BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-LCAT Antibody Picoband®

Catalog Number: PA1967

About LCAT

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. 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).

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Overview

Product Name	Anti-LCAT Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-LCAT Antibody catalog # PA1967. Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04180

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human LCAT, different from the related rat sequence by two amino acids, and from the mouse sequence by three amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat

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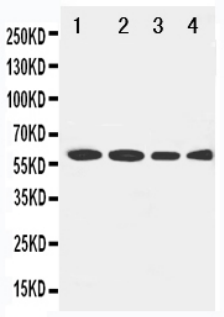
Anti-LCAT Antibody Picoband® (PA1967) Images



Anti-LCAT antibody, PA1967, Western blottingLane 1: Rat Brain Tissue LysateLane 2: U87 Cell LysateLane 3: HELA Cell LysateLane 4: SMMC Cell Lysate

Anti-LCAT Antibody

For Research Use Only. Not for use in diagnostic procedures.