

# Product Datasheet

## LCAT Antibody - BSA Free

### NBP1-05950

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-05950**

LCAT Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

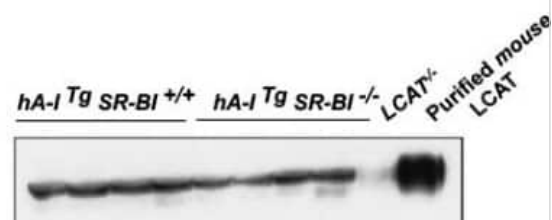
Product Description	
Description	Novus Biologicals Rabbit LCAT Antibody - BSA Free (NBP1-05950) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-LCAT Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3931
Gene Symbol	LCAT
Species	Human, Mouse
Immunogen	Carboxyl-terminal histidine-tagged mouse recombinant LCAT purified from the medium of CHO cells overexpressing mouse LCAT cDNA. [UniProt# P16301]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:500
Application Notes	In Western blot, a band is seen at ~62-65 kDa representing LCAT. Also has been shown to immunodeplete LCAT from mouse plasma, suggesting it should work fine for Immunoprecipitation (PMID: 18583707).

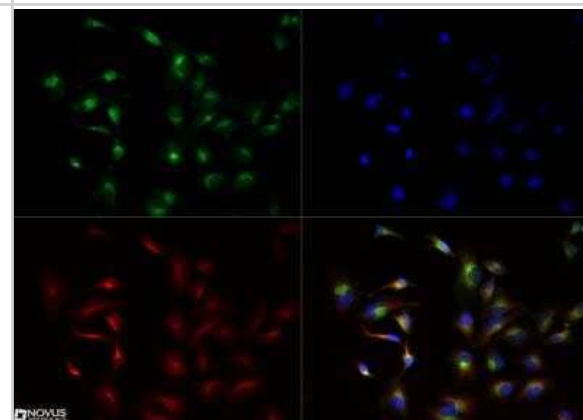


## Images

Western Blot: LCAT Antibody [NBP1-05950] - Analysis of plasma LCAT protein mass. Plasma samples (0.2ul) from four hA-I Tg mice, four hA-I Tg SR-BI  $-/-$  mice, a LCAT $-/-$  mouse, and purified mouse LCAT were fractionated on SDS-PAGE, and LCAT was detected by Western blot analysis using rabbit antiserum against mouse LCAT.



Immunocytochemistry/Immunofluorescence: LCAT Antibody [NBP1-05950] - The LCAT antibody was tested at a 1:500 dilution in HeLa cells against Dylight 488 (Green). Alpha-tubulin and nuclei were counterstained against Dylight 550 (Red) and DAPI (Blue).



## Publications

Hirsch-Reinshagen, V et al. LCAT synthesized by primary astrocytes esterifies cholesterol on glia-derived lipoproteins. *J Lipid Res*;50(5):885-93. 2009-05-01 [PMID: 19065001]

Mulya, A et al. Initial interaction of apoA-I with ABCA1 impacts in vivo metabolic fate of nascent HDL. *J Lipid Res*;49(11):2390-401. 2008-11-01 [PMID: 18583707]

Lee, J et al. Functional LCAT deficiency in human apolipoprotein A-I transgenic, SR-BI knockout mice. *J Lipid Res*;48(5):1052-61. 2007-05-01 [PMID: 17272829]



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### **Products Related to NBP1-05950**

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NBL1-12457	LCAT Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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