

# Product Datasheet

## LCAT Antibody - BSA Free NB400-107

Unit Size: 0.1 ml

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

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**NB400-107**

LCAT Antibody - BSA Free

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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit LCAT Antibody - BSA Free (NB400-107) is a polyclonal antibody validated for use in WB and ELISA. Anti-LCAT Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3931
<b>Gene Symbol</b>	LCAT
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Carboxyl-terminal histidine-tagged human recombinant LCAT purified from the medium of CHO cells overexpressing human LCAT cDNA. [UniProt# P04180]

Product Application Details	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA 1:500
<b>Application Notes</b>	In Western blot, a band is seen at 62-65 kDa representing LCAT. This antibody does exhibit neutralizing activity for cholesterol esterification.



**Publications**

Aso M, Yamamoto T, Kuroda M et al. First-in-human autologous implantation of genetically modified adipocytes expressing LCAT for the treatment of familial LCAT deficiency Heliyon 2022-11-01 [PMID: 36387451] (WB, Human)

Sasaki M, Delawary M, Sakurai H et al. Novel LCAT (Lecithin:Cholesterol Acyltransferase) Activator DS-8190a Prevents the Progression of Plaque Accumulation in Atherosclerosis Models Arterioscler Thromb Vasc Biol 2020-10-22 [PMID: 33086872] (WB, Human)

Khan AMAM, Hauk VJ, Ibrahim M et al. Caldicellulosiruptor bescii adheres to polysaccharides using a type IV pilin-dependent mechanism Appl. Environ. Microbiol. 2020-02-21 [PMID: 32086304] (WB)

Tanigawa H, Billheimer JT, Tohyama J-i et al. Lecithin: Cholesterol Acyltransferase Expression Has Minimal Effects on Macrophage Reverse Cholesterol Transport In Vivo. Circulation;120(2):160-169. 2009-01-01 [PMID: 19564558] (WB, Human)

He Y, Greene DJ, Kinter M et al. Control of cholesteryl ester transfer protein activity by sequestration of lipid transfer inhibitor protein in an inactive complex. J Lipid Res;49(7):1529-1537. 2008-01-01 [PMID: 18369235] (WB, Human)

Zhao Y, Gebre AK, Parks JS. Amino acids 149 and 294 of human lecithin:cholesterol acyltransferase affect fatty acyl specificity. J Lipid Res;45(12):2310-6. 2004-12-01 [PMID: 15375182] (ELISA, Human)

Chisholm JW, Gebre AK, Parks JS. Characterization of C-terminal histidine-tagged human recombinant lecithin:cholesterol acyltransferase. J Lipid Res;40(8):1512-9. 1999-08-01 [PMID: 10428989]





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### **Products Related to NB400-107**

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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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