

# Product Datasheet

## ACAT1 Antibody NBP1-46140

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-46140**

## ACAT1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	45 kDa

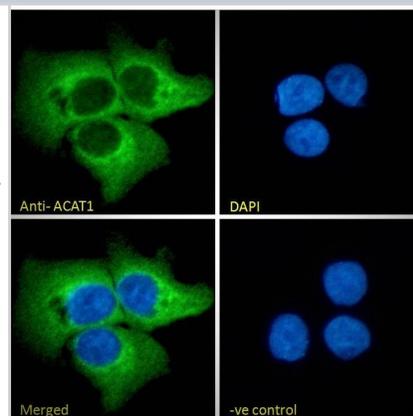
Product Description	
Description	Novus Biologicals Goat ACAT1 Antibody (NBP1-46140) is a polyclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. Anti-ACAT1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	38
Gene Symbol	ACAT1
Species	Human, Mouse, Rat
Immunogen	Peptide with sequence C-DEEYKRVDFSKVPK corresponding to internal region according to NP_000010.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.01-0.5 ug/ml, Flow Cytometry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:4000
Application Notes	WB: Approx. 40kDa band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and KNRK and approx. 38-40kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2kDa according to Human NP_000010.1, 44.81kDa according to Mouse NP_659033.1 and 44.7kDa according to Rat NP_058771.2 ). Primary incubation 1 hour at room temperature.

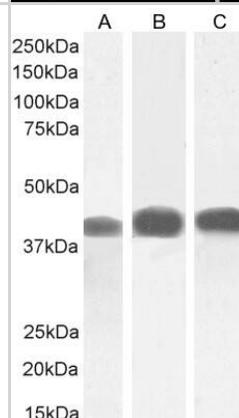


## Images

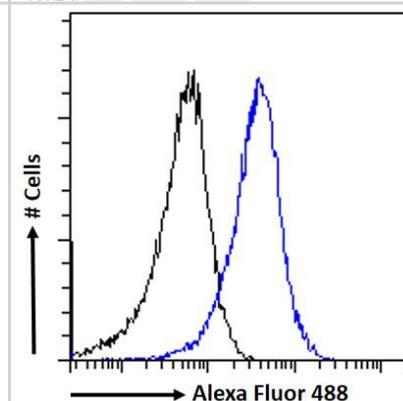
Immunocytochemistry/Immunofluorescence: ACAT1 Antibody [NBP1-46140] - Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



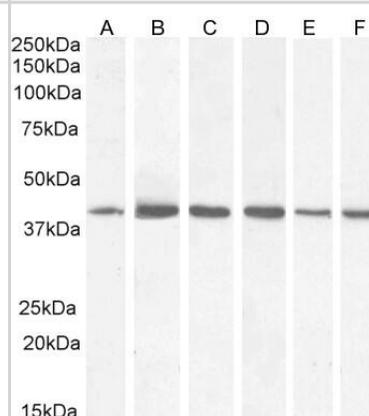
Western Blot: ACAT1 Antibody [NBP1-46140] - (0.01ug/ml) staining of Human (A), and (0.1ug/ml) Mouse (B) and Rat (C), Liver lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Flow Cytometry: ACAT1 Antibody [NBP1-46140] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: ACAT1 Antibody [NBP1-46140] - (0.5ug/ml) staining of KNRK (A) and MCF7 (B), and (0.1ug/ml) HepG2 (C), Caco-2 (D), HEK293 (E), and NIH3T3 (F) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



## Publications

Hongo S, Watanabe T, Arita S et al. Leptin modulates ACAT1 expression and cholesterol efflux from human macrophages. *Am J Physiol Cell Physiol* 2009-08-01 [PMID: 19625677]



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### **Products Related to NBP1-46140**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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