

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

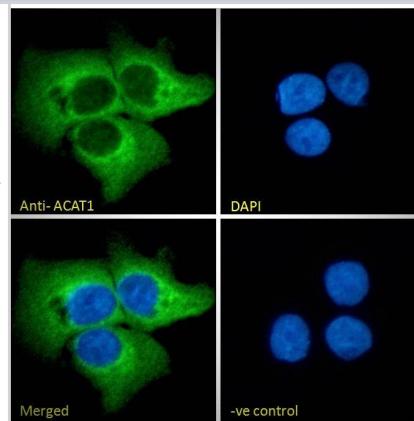
Host	Goat
Gene ID	38
Gene Symbol	ACAT1
Species	Human, Mouse, Rat
Immunogen	Peptide with sequence C-DEEYKRVDFSKVPK corresponding to internal region according to NP_000010.1.

Product Application Details

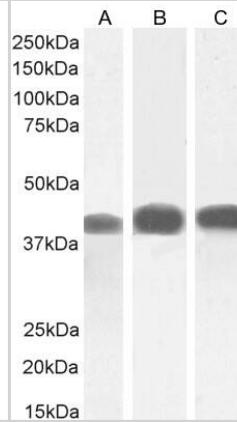
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.01-0.5 ug/ml, Flow Cytometry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:4000
Application Notes	WB: Approx. 40kDa band 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

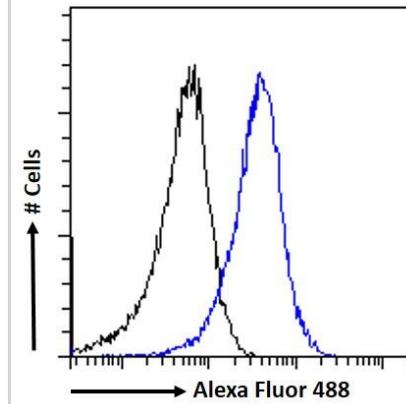
Immunocytochemistry/Immunofluorescence: ACAT1 Antibody [NBP1-46140] - Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear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



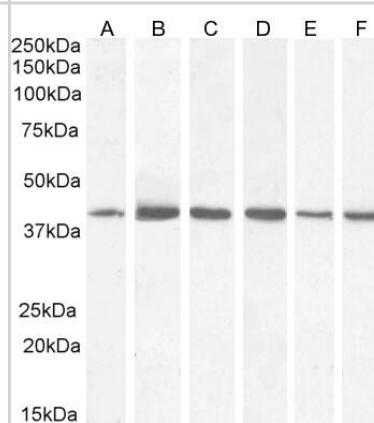
Western Blot: ACAT1 Antibody [NBP1-46140] - (0.01ug/ml) staining of Human (A), and (0.1ug/ml) Mouse (B) and Rat (C), Liver lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



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

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
NBP2-22664	Recombinant Human ACAT1 His Protein

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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