ACAT1 Antibody
NBP1-89285

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Publications: 3

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Updated 3/1/2019 v.20.1

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NBP1-89285
ACAT1 Antibody

Product Information

Unit Size 0.1 ml
Concentration Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality Polyclonal
Preservative 0.02% Sodium Azide
Isotype IgG
Purity Immunogen affinity purified
Buffer PBS (pH 7.2) and 40% Glycerol

Product Description

Host Rabbit
Gene ID 38
Gene Symbol ACAT1
Species Human, Mouse, Rat
Reactivity Notes Reactivity reported in scientific literature (PMID: 23257780)
Specificity/Sensitivity Specificity of human, mouse, rat ACAT1 antibody verified on a Protein Array containing target protein plus 383 other non-specific proteins.
Immunogen This antibody was developed against Recombinant Protein corresponding to amino acids:
VSATRTPIGSFLGSLLPATKLGSIAIQGAIEKAGIPKEEVKEAYMGNVLQGGE
GQAPTRQAVLGAQLPSTPCTTIINKVCASGMAIMMASQSLMCGHQDVMVAG
GMESMSNVYVMNRGSTPYGGVKLEDLIVKDGLTD

Product Application Details

Applications Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions Western Blot 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 1 - 4 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images
Western Blot: ACAT1 Antibody [NBP1-89285] - Analysis using Anti-ACAT1 antibody NBP1-89285 (A) shows similar pattern to independent antibody NBP1-89284 (B).
Immunocytochemistry/Immunofluorescence: ACAT1 Antibody [NBP1-89285] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining is shown in green.

Immunohistochemistry-Paraffin: ACAT1 Antibody [NBP1-89285] - Staining of human testis shows strong positivity in mitochondria in cells in seminiferous ducts.

Western Blot: ACAT1 Antibody [NBP1-89285] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.

Western Blot: ACAT1 Antibody [NBP1-89285] - Analysis in Caco-2 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-ACAT1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.
Immunohistochemistry-Paraffin: ACAT1 Antibody [NBP1-89285] - Staining of human cerebellum, kidney, liver and testis using Anti-ACAT1 antibody NBP1-89285 (A) shows similar protein distribution across tissues to independent antibody NBP1-89284 (B).

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Immunohistochemistry-Paraffin: ACAT1 Antibody [NBP1-89285] - Staining of human cerebellum shows strong positivity in mitochondria in Purkinje cells.

Immunohistochemistry-Paraffin: ACAT1 Antibody [NBP1-89285] - Staining of human liver shows strong positivity in mitochondria in hepatocytes.

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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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