

Datasheet for ABIN2855445
anti-ACAT1 antibody (N-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	ACAT1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human ACAT1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Rat (83 %), Bovine (95 %)
Characteristics:	Rabbit Polyclonal antibody to ACAT1 (acetyl-Coenzyme A acetyltransferase 1) ACAT1 antibody [N1N3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

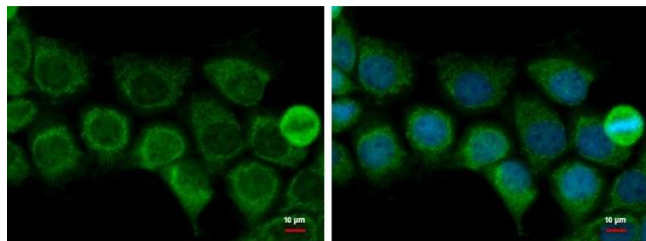
Target:	ACAT1
Alternative Name:	ACAT1 (ACAT1 Products)
Background:	<p>This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone.</p> <p>Cellular Localization: Mitochondrion</p>
Molecular Weight:	45 kDa
Gene ID:	38

Application Details

Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: 293T , A431 , Molt-4 , mouse brain , *F31 , *F90
Restrictions:	For Research Use only

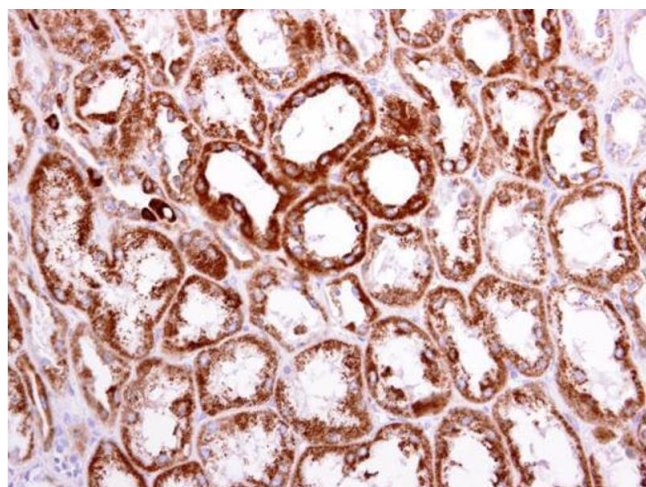
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



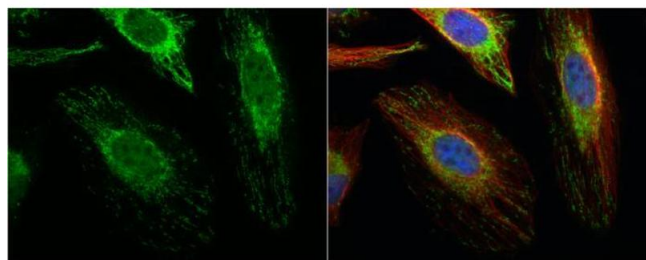
Immunofluorescence

Image 1. ICC/IF Image ACAT1 antibody [N1N3] detects ACAT1 protein at mitochondria by immunofluorescent analysis. Sample: A431 cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. *Green: ACAT1 protein stained by ACAT1 antibody [N1N3] , diluted at 1:500. Blue: Hoechst 33342 staining.*



Immunohistochemistry

Image 2. IHC-P Image ACAT1 antibody [N1N3] detects ACAT1 protein at cytoplasm on human normal kidney by immunohistochemical analysis. Sample: Paraffin-embedded human normal kidney. ACAT1 antibody [N1N3] , diluted at 1:500.



Immunofluorescence

Image 3. ICC/IF Image ACAT1 antibody [N1N3] detects ACAT1 protein at mitochondria by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: ACAT1 protein stained by ACAT1 antibody [N1N3] , diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] , diluted at 1:10000. Blue: Hoechst 33342 staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2855445.