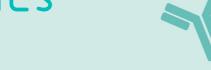
antibodies - online.com







anti-ACAT1 antibody (AA 253-266)

Images



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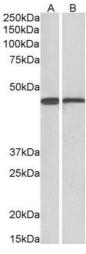
Quantity:	100 μg	
Target:	ACAT1	
Binding Specificity:	AA 253-266	
Reactivity:	Human, Mouse, Rat	
Host:	Goat	
Clonality:	Polyclonal	
Conjugate:	This ACAT1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)	

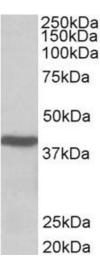
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Product Details	
Purpose:	ACAT1 (aa253-266)
Immunogen:	Peptide with sequence C-DEEYKRVDFSKVPK, from the internal region of the protein sequence according to NP_000010.1.
Sequence:	DEEYKRVDFS KVPK
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target ACAT1 Alternative Name: ACAT1 (ACAT1 Products) Background: ACAT1, acetyl-Coenzyme A acetyltransferase 1, ACAT, MAT, T2, THIL, acetoacetyl Coenzyme thiolase Gene ID: 38, 110446, 25014 NCBI Accession: NP 000010 Application Details Application Notes: Western Blot: Approx. 40 kDa band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and KINRK and approx. 38-40 kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kDa according to Human NP_000010.1, 44.81 kDa according to Mous Peptide ELISA: antibody detection limit dilution 1,000.0 Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A31 cells. Recommended concentration: 10µg/mL Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain visible.	rarget Details		
Background: ACAT1, acetyl-Coenzyme A acetyltransferase 1, ACAT, MAT, T2, THIL, acetoacetyl Coenzyme thiolase Gene ID: 38, 110446, 25014 NCBI Accession: NP_000010 Application Details Application Notes: Western Blot: Approx. 40 kDa band observed in lysates of cell lines CACO2, HEK293, HepG2, MCF7, NIH3T3 and KNRK and approx. 38, 40 kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kDa according to Human NP_000010, 1, 44.81 kDa according to Mous Peptide ELISA: antibody detection limit dilution 1:4000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10 µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing: Storage: -20 °C Storage Comment: Aliquot and store at -20 °C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Target:	ACAT1	
thiolase Gene ID: 38, 110446, 25014 NOBI Accession: NP_000010 Application Details Application Notes: Western Blot. Approx. 40 kDa band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and KNRK and approx. 38-40 kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kDa according to Human NP_000010.1, 44.81 kDa according to Mous Peptide ELISA: antibody detection limit dilution 1:4000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: Restrictions: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Alternative Name:	ACAT1 (ACAT1 Products)	
Application Details Application Notes: Western Blot: Approx. 40 kba band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and KNRK and approx. 38-40 kba in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kba according to Human NP_000010.1, 44.81 kba according to Mous Peptide ELISA: antibody detection limit dilution 1:4000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Background:		
Application Details Western Blot: Approx. 40 kDa band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and KNRK and approx. 38-40 kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kDa according to Human NP_000010.1, 44.81 kDa according to Mous Peptide ELISA: antibody detection limit dilution 1:4000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/ml. Supplied at 0.5 mg/ml. in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: 4liquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Gene ID:	38, 110446, 25014	
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MCF7, NIH3T3 and KNRK and approx. 38-40 kDa in Human, Mouse and Rat Liver lysates (calculated MW of 45.2 kDa according to Human NP_000010.1, 44.81 kDa according to Mous Peptide ELISA: antibody detection limit dilution 1:4000. Comment: Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS and A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Application Details		
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Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Comment:	A431 cells. Recommended concentration: 10µg/ml.	
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albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Handling Advice: Minimize freezing and thawing. Storage: -20 °C Storage Comment: Aliquot and store at -20 °C, with minimal freeze/thawing. A working aliquot may be refrigerated.	Concentration:	0.5 mg/mL	
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	Storage:	-20 °C	
	Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.	





Western Blotting

Image 1. Antibody (0.1 μ g/ml) staining of Mouse (A) and Rat (B) Liver lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Western Blotting

Image 2. ABIN571083 ($0.01\mu g/ml$) staining of Mouse Liver lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.