

Datasheet for ABIN571083
anti-ACAT1 antibody (AA 253-266)[Go to Product page](#)

2 Images

Overview

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)

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

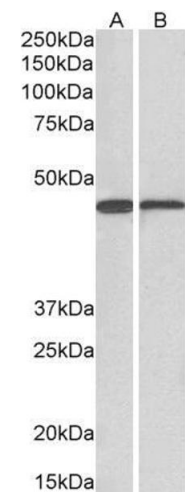
Target:	ACAT1
Alternative Name:	ACAT1 (ACAT1 Products)
Background:	ACAT1, acetyl-Coenzyme A acetyltransferase 1, ACAT, MAT, T2, THIL, acetoacetyl Coenzyme A thiolase
Gene ID:	38, 110446, 25014
NCBI Accession:	NP_000010

Application Details

Application Notes:	Western Blot: Approx. 40 kDa band observed in lysates of cell lines CAC02, HEK293, HepG2, MCF7, NIH3T3 and 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

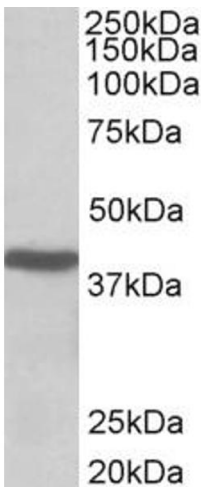
Handling

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 at 4°C for a few weeks and still remain viable.



Western Blotting

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



Western Blotting

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