

## ACAT1 Antibody

Catalog No: #32779

Package Size: #32779-1 50ul #32779-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

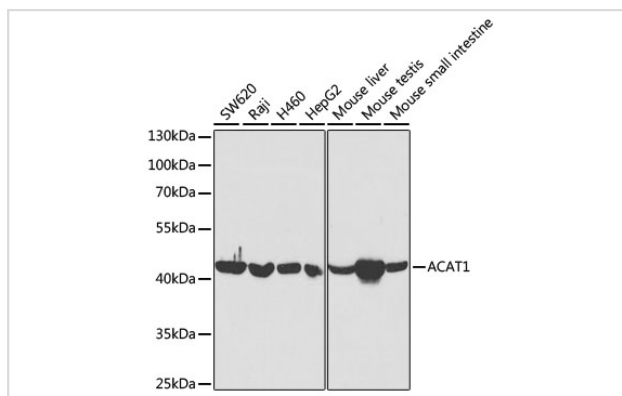
## Description

Product Name	ACAT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ACAT1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ACAT1.
Target Name	ACAT1
Other Names	T2; MAT; ACAT; THIL;
Accession No.	Swiss-Prot:P24752NCBI Gene ID:38
Uniprot	P24752
GeneID	38;
SDS-PAGE MW	45KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

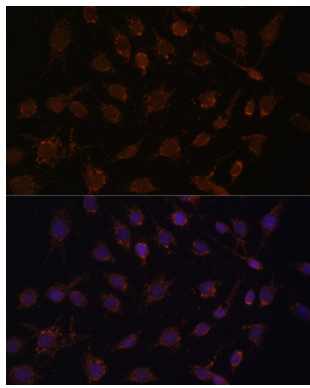
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

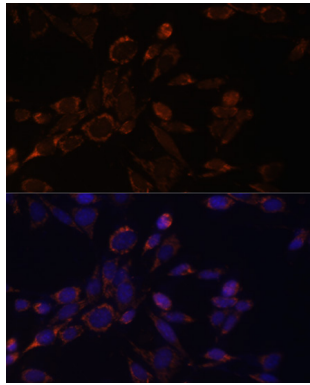
## Images



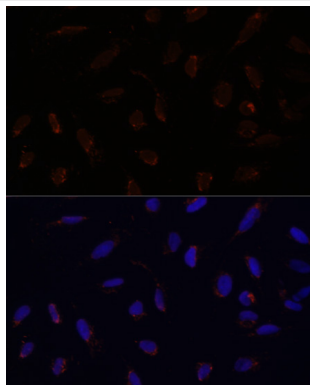
Western blot analysis of extracts of various cell lines, using ACAT1 at 1:5000 dilution.



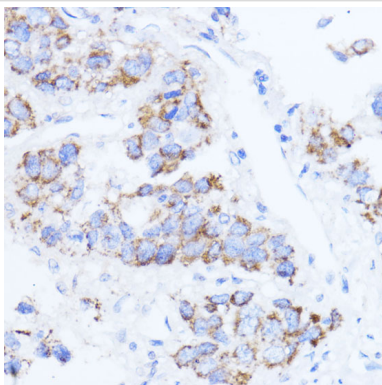
Immunofluorescence analysis of C6 cells using ACAT1 at dilution of 1:100. Blue: DAPI for nuclear staining.



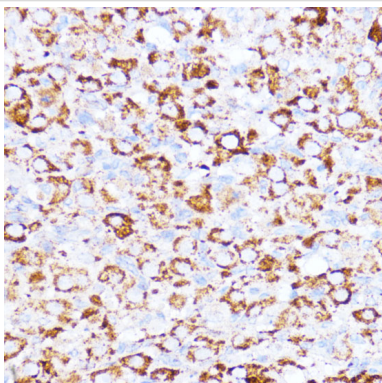
Immunofluorescence analysis of NIH-3T3 cells using ACAT1 at dilution of 1:100. Blue: DAPI for nuclear staining.



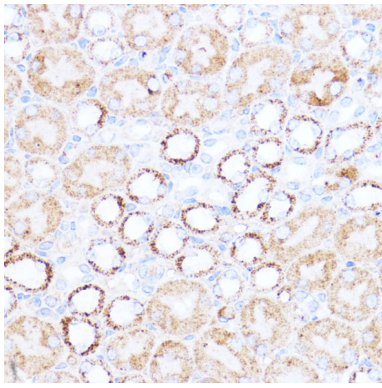
Immunofluorescence analysis of U-2 OS cells using ACAT1 at dilution of 1:100. Blue: DAPI for nuclear staining.



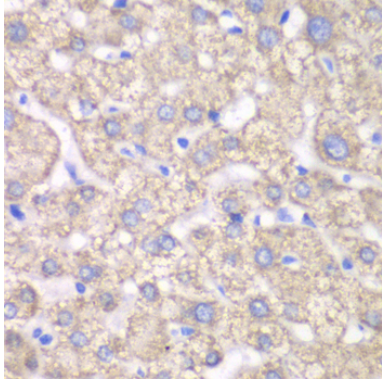
Immunohistochemistry of paraffin-embedded human liver cancer using ACAT1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat ovary using ACAT1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using ACAT1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver damage using ACAT1 at dilution of 1:100 (40x lens).

## Background

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.

Note: This product is for in vitro research use only