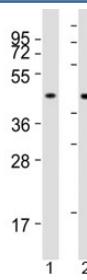


## ACAT1 Antibody (F50511)

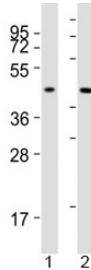
Catalog No.	Formulation	Size
F50511-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50511-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

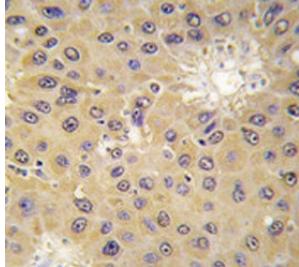
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Primate
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P24752
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
<b>Limitations</b>	This ACAT1 antibody is available for research use only.



Western blot testing of ACAT1 antibody at 1:2000 dilution. Lane 1: human SW620 lysate; 2: mouse liver lysate; Predicted molecular weight: ~45kDa.



Western blot testing of ACAT1 antibody at 1:1000 dilution. Lane 1: human SK-BR-3 lysate; 2: human HepG2 lysate; Predicted molecular weight: ~45 kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with ACAT1 antibody

## Description

Acetyl-CoA acetyltransferase 1 is a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in the gene encoding ACAT1 are associated with the alpha-methylacetoaceticaciduria disorder, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone.

## Application Notes

Titration of the ACAT1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 296-329 from the human protein was used as the immunogen for this ACAT1 antibody.

## Storage

Aliquot the ACAT1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.