

## Rabbit anti-Human, Mouse ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 Polyclonal Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA280992</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

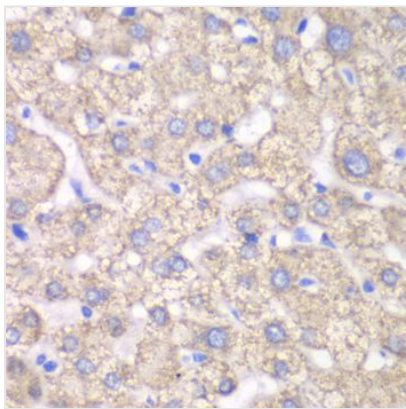
### PRODUCT SYNONYMS

ACAT1; Polyclonal Antibody; ACAT1 Polyclonal Antibody; ACAT; MAT; T2; THIL; anti-ACAT1 antibody

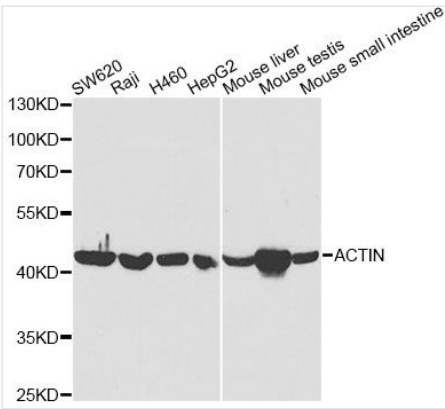
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                |
| Reactivity                                      | Human, Mouse                                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                                 |
| Sequence                                        | MAVLAALLRS GARSRSPLLR RLVQEIRYVE RSYVSKPTLK EVVIVSATRT PIGSFLGSLs LLPATKLGSi<br>AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL<br>MCGHQ |
| Sequence Length                                 | 427                                                                                                                                                                   |
| Applicable Applications for anti-ACAT1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                         |
| Immunogen                                       | Recombinant protein of human ACAT1                                                                                                                                    |
| Immunogen Species                               | Human                                                                                                                                                                 |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                     |
| Cellular Location                               | Mitochondrion                                                                                                                                                         |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                    |

IMAGES



**IHC (Immunohiostchemistry)**  
Immunohistochemistry of paraffin-embedded human liver injury using ACAT1 antibody at dilution of 1:100 (40x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using ACAT1 antibody at 1:5000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACAT1 antibody | 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. |
| Product Categories/Family for anti-ACAT1 antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 4557237                                     |
| NCBI GeneID                      | 38                                          |
| NCBI Accession #                 | NP_000010.1                                 |
| NCBI GenBank Nucleotide #        | NM_000019.3                                 |
| UniProt Accession #              | P24752; Q96FG8; B2R6H1; G3XAB4              |
| Molecular Weight                 | Calculated: 17kDa; 45kDa<br>Observed: 42kDa |
| NCBI Official Full Name          | acetyl-CoA acetyltransferase, mitochondrial |
| NCBI Official Synonym Full Names | acetyl-CoA acetyltransferase 1              |
| NCBI Official Symbol             | ACAT1                                       |
| NCBI Official Synonym Symbols    | T2; MAT; ACAT; THIL                         |
| NCBI Protein Information         | acetyl-CoA acetyltransferase, mitochondrial |
| UniProt Protein Name             | Acetyl-CoA acetyltransferase, mitochondrial |
| UniProt Gene Name                | ACAT1                                       |
| UniProt Synonym Gene Names       | ACAT; MAT                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

