

Product datasheet for **TA348998**

ACAT1 Goat Polyclonal Antibody

Product data:

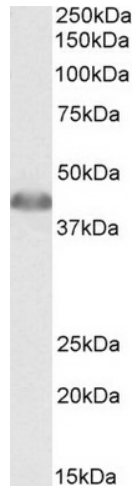
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|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB: 0.01-0.03 ug/ml |
| Reactivity: | Human, Mouse, Rat (Expected from sequence similarity: Cow) |
| Host: | Goat |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for Anti-ACAT1 (aa257-269) Antibody: Peptide with sequence C-KRVDFSKVPKLKT, from the internal region of the protein sequence according to NP_000010.1. |
| Formulation: | Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Concentration: | lot specific |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | acetyl-CoA acetyltransferase 1 |
| Database Link: | NP_000010 Entrez Gene 25014 Rat Entrez Gene 110446 Mouse Entrez Gene 38 Human P24752 |
| 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. [provided by RefSeq, Feb 2009] |
| Synonyms: | ACAT; MAT; T2; THIL |
| Protein Families: | Druggable Genome |



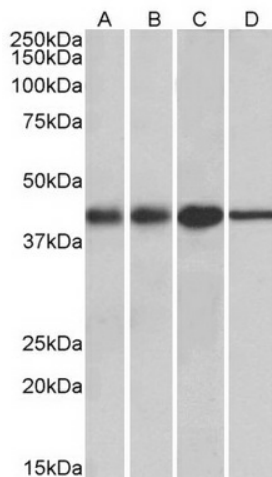
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Protein Pathways:

Butanoate metabolism, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:


TA348998 (0.01 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA348998 (0.01 ug/ml) staining of Mouse (A) and Rat (B) kidney lysates, and Mouse (C) and Rat (D) Liver lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.