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EB09740 - Goat Anti-ACAT1 (aa257-269) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ACAT1, acetyl-Coenzyme A acetyltransferase 1, ACAT, MAT, T2, THIL, acetoacetyl Coenzyme A thiolase, acetyl-CoA acetyltransferase 1, mitochondrial acetoacetyl-CoA thiolase
Official Symbol: ACAT1
Accession Number(s): NP_000010.1
Human GeneID(s): 38
Non-Human GeneID(s): 110446 (mouse), 25014 (rat)

Immunogen

Peptide with sequence C-KRVDFSKVPKLKT, from the internal region of the protein sequence according to NP_000010.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx 45kDa band observed in Human Liver lysates and in rodent Kidney and Liver lysates (calculated MW of 45.2kDa according to NP_000010.1). Recommended concentration: 0.01-0.03µg/ml.

Immunofluorescence: Customer finds particulate cytoplasm staining in HeLa

Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Cow

EB09740 (0.01µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB09740 (0.01µg/ml) staining of Mouse (A) and Rat (B) kidney lysates, and Mouse (C) and Rat (D) Liver lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.