

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB09741-B - Goat Anti-ACAT1 (aa253-266), Biotinylated Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** ACAT1, acetyl-CoA acetyltransferase 1, ACAT, MAT, T2, THIL, acetoacetyl Coenzyme A thiolase, acetoacetyl-CoA thiolase, acetyl-Coenzyme A

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-DEEYKRVDFSKVPK., 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 1:4000.

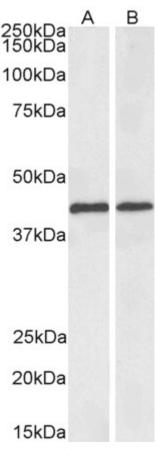
**Western blot:** Approx 45kDa band observed in Mouse and Rat Liver lysates (calculated MW of 44.8kDa according to Mouse NP\_659033.1 and 44.7kDa according to Rat NP\_058771.2). See non-biotinylated parental product's datasheet for further QC data.

Recommended concentration: 0.1-0.3µg/ml.

#### **Species Reactivity**

Tested: Human, Mouse, Rat

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



Biotinylated EB09741 (0.1µg/ml) staining of Mouse (A) and Rat (B) Liver lysates (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.