

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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

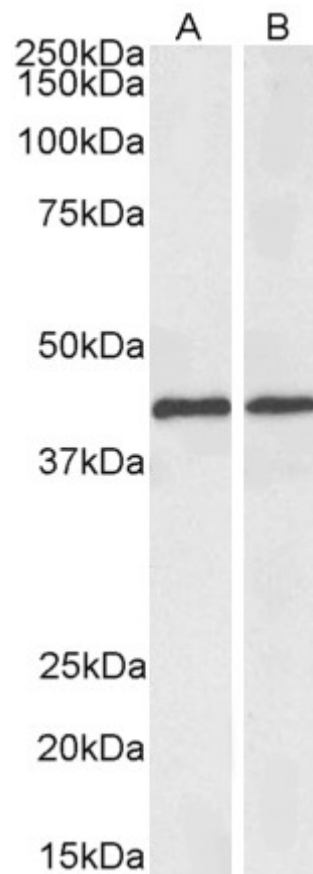
**Peptide ELISA:** antibody detection limit dilution 1:4000.

**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 (0.1 $\mu$ g/ml) staining of Mouse (A) and Rat (B) Liver lysates (35 $\mu$ g 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.