

#### **International Office**

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# EB09487 - Goat Anti-ACO1 / Aconitase 1 Antibody

Size: 100µg specific antibody in 200µl



#### **Target Protein**

**Principal Names:** ACO1, aconitase 1, soluble, ACONS, IREB1, IREBP, IREBP1, IRP1, OTTHUMP00000021176, OTTHUMP00000021177, OTTHUMP00000045233, aconitase 1, aconitate hydratase, citrate hydro-lyase, ferritin repressor protein, iron regulatory

protein 1, iron-responsive element binding protein 1

Official Symbol: ACO1

Accession Number(s): NP\_002188.1

Human GeneID(s): 48

Non-Human GenelD(s): 11428 (mouse), 50655 (rat)

### Immunogen

Peptide with sequence C-QVDFNRRADSLQKNQ, from the internal region of the protein sequence according to NP\_002188.1.

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 100kDa band observed in Human Liver lysates (calculated MW of 98.4kDa according to NP\_002188.1). Recommended concentration: 0.1-0.3µg/ml.

### **Species Reactivity**

Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

15kDa

 $EB09487\ (0.1\mu\text{g/ml})\ staining\ of\ Human\ Liver\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Primary\ incubation\ was\ 1\ hour.$ Detected by chemiluminescence.