

## UK Office

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

## 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 GeneID(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



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