



## International Office

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

## EB09858 - Goat Anti-Aconitase 2 (aa541-555) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** aconitase 2, mitochondrial, ACONM, MGC20605, MGC33908, ACO2

**Official Symbol:** ACO2

**Accession Number(s):** NP\_001089.1

**Human GeneID(s):** [50](#)

**Non-Human GeneID(s):** 11429 (mouse), 79250 (rat)

### Immunogen

Peptide with sequence C-QDTYQHPPKDSSGQH, from the internal region of the protein sequence according to NP\_001089.1.

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 1:16000.

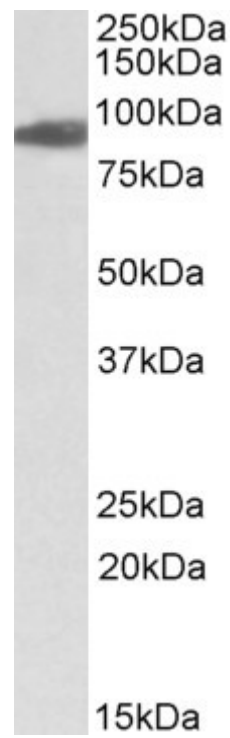
**Western blot:** Approx 90kDa band observed in Human Heart lysates, in Human, Mouse and Rat Adipose lysates and in Mouse, Rat and Pig Skeletal Muscle lysates (calculated MW of 85.4kDa according to NP\_001089.1). Recommended concentration: 0.01-0.03µg/ml.

**IHC:** In paraffin embedded Human Breast shows mitochondrial staining in the epithelial cells of the ducts. Recommended concentration, 3-5µg/ml.

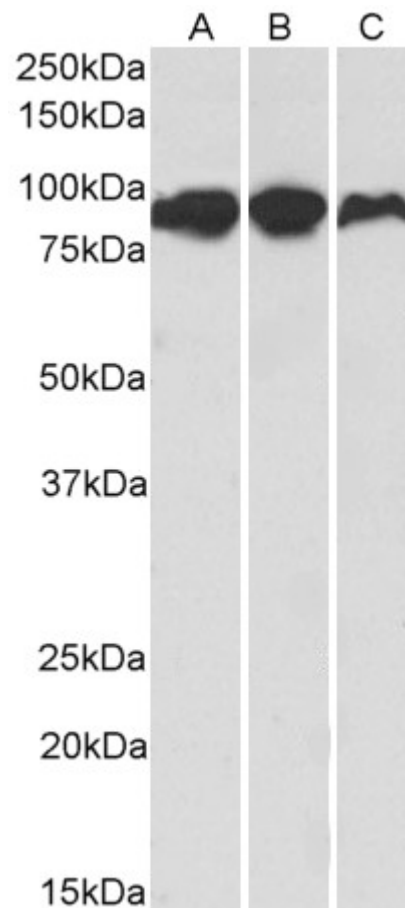
### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

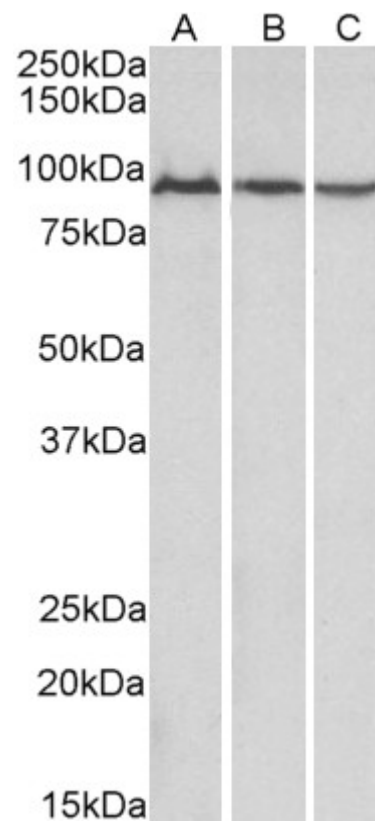
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig



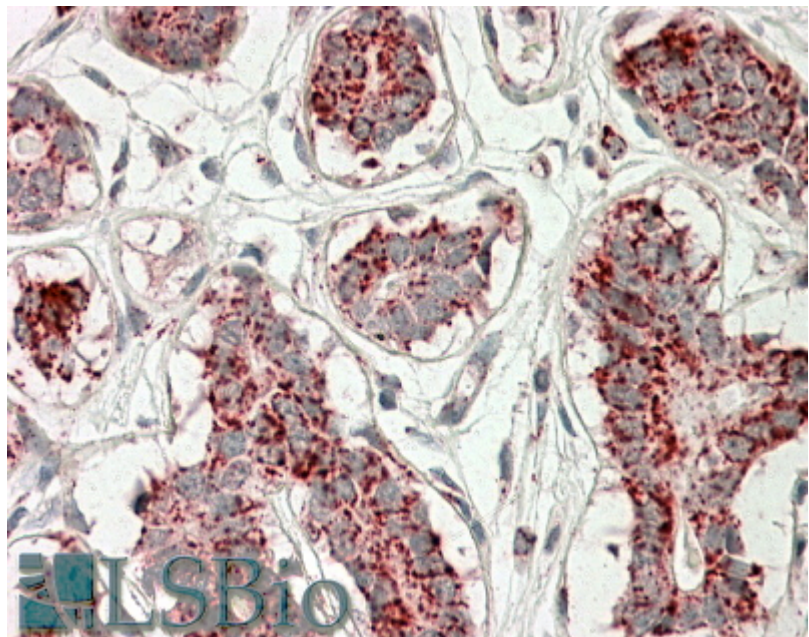
EB09858 (0.01µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09858 (0.1µg/ml) staining of Human (A), Mouse (B) and Rat (C) Adipose lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09858 (0.01 $\mu$ g/ml) staining of Mouse (A), Rat (B) and Pig (C) Skeletal Muscle lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09857 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.