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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 GenelD(s): [50](#)

Non-Human GenelD(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 (0.01µg/ml) staining of Mouse (A), Rat (B) and Pig (C) Skeletal Muscle lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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