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

EB09857 - Goat Anti-Aconitase 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aconitase 2, mitochondrial, ACONM, MGC20605, MGC33908, ACO2, aconitase 2, citrate hydro-lyase, epididymis secretory sperm binding protein Li 284, HEL-S-284, ICRD, mitochondrial aconitase, OCA8

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-QHVDVSPTSQRLQ, 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 1:32000.

Western blot: Approx 90kDa band observed in Human Heart 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.

Immunofluorescence: Customer finds weak pixulate staining in the cytoplasm of HeLa cells.

Species Reactivity

Tested: Human

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

EB09857 (0.01µg/ml) staining of Heart lysate (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.