



## UK Office

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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.

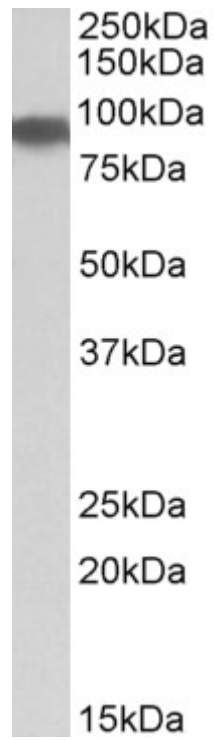
**IHC:** In paraffin embedded Human Breast shows mitochondrial staining in the epithelial cells of the ducts. Recommended concentration, 3-5µg/ml.

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

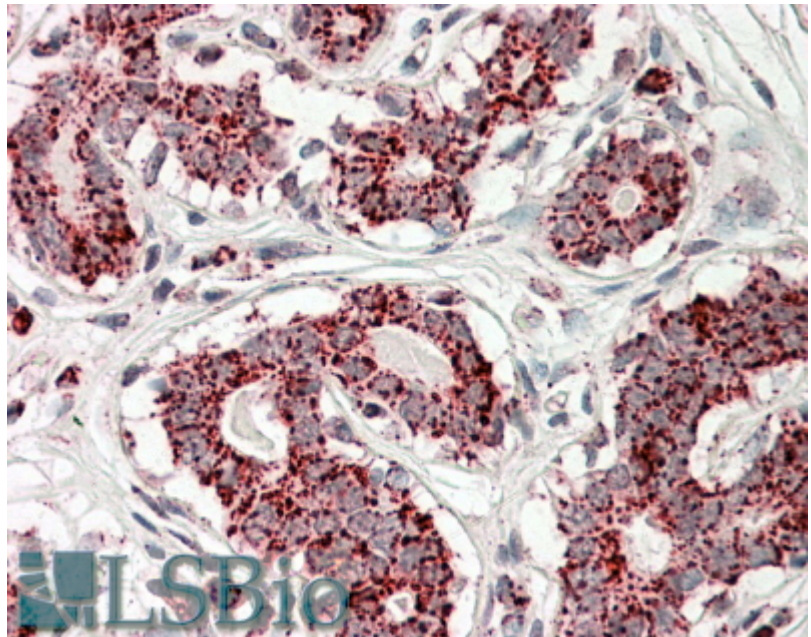
### Species Reactivity

**Tested:** Human

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



EB09857 (0.01 $\mu$ g/ml) staining of Heart lysate (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.