

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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,

Official Symbol: ACO2

Accession Number(s): NP\_001089.1

Human GeneID(s): 50

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

HEL-S-284, ICRD, mitochondrial aconitase, OCA8

## **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

250kDa 150kDa 100kDa 75kDa

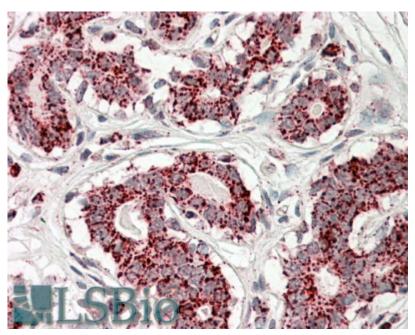
50kDa

37kDa

25kDa 20kDa

15kDa

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.