

#### **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.

# EB07138 - Goat Anti-ALDH1A1 (Internal) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** ALDH1A1, aldehyde dehydrogenase 1 family, member A1, ALDC, ALDH-E1, ALDH1, ALDH11, MGC2318, PUMB1, RALDH1, ALDH class 1, acetaldehyde dehydrogenase 1, aldehyde dehydrogenase 1, soluble, aldehyde dehydrogenase 1A1,

aldehyde dehydrogenase, liver cytosolic, retinal dehydrogenase 1

Official Symbol: ALDH1A1

Accession Number(s): NP\_000680.2

Human GeneID(s): 216

# **Immunogen**

Peptide with sequence C-RELGEYGFHEYTE, from the internal region of the protein sequence according to NP\_000680.2.

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 55kDa band observed in Human Liver lysates (calculated MW of

54.9kDa according to NP\_000680.2). Recommended concentration: 1-3μg/ml. **IHC:** Paraffin embedded Human Testis. Recommended concentration: 5μg/ml.

# **Species Reactivity**

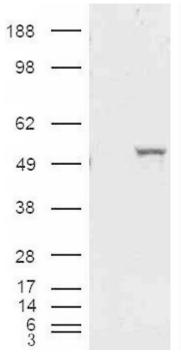
Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

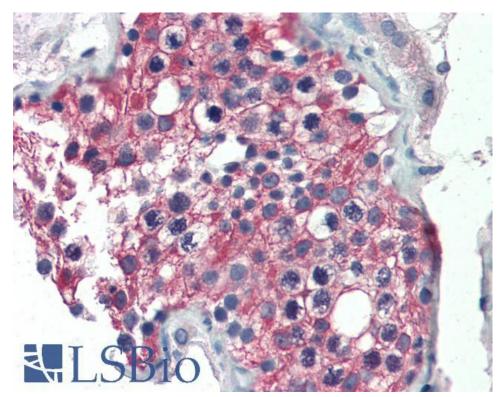


EB07138 (1µg/ml) staining of Human Liver Lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.

Detected by chemiluminescence.



HEK293 overexpressing ALDH1A1 and probed with EB07138 (mock transfection in first lane).



EB07138 (5μg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.