

### **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

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# EB10437-B - Goat Anti-ALDH6A1 (aa487-496), Biotinylated Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** ALDH6A1, aldehyde dehydrogenase 6 family member A1, MMSADHA, MMSDH, aldehyde dehydrogenase 6 family, member A1, malonate-semialdehyde dehydrogenase, mitochondrial acylating methylmalonate-semialdehyde dehydrogenase, testicular tissue protein Li 122

Official Symbol: ALDH6A1

Accession Number(s): NP\_005580.1; NP\_001265522.1; NP\_001265523.1

Human GeneID(s): 4329

Non-Human GeneID(s): 104776 (mouse), 81708 (rat)

Important Comments: This antibody is expected to recognize all three reported isoform

(NP\_005580.1; NP\_001265522.1; NP\_001265523.1).

## **Immunogen**

Peptide with sequence C-SRSSFRGDTN., from the internal region of the protein sequence according to NP\_005580.1; NP\_001265522.1; NP\_001265523.1.

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 55kDa band observed in Mouse Kidney lysates (calculated MW of 57.9kDa according to Mouse NP\_598803.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.

#### **Species Reactivity**

Tested: Human, Mouse, Rat

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



Biotinylated EB10437 (0.1µg/ml) staining of Mouse Kidney lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.