



## International Office

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

## EB10118-B - Goat Anti-ALDH2, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ALDH2, aldehyde dehydrogenase 2 family (mitochondrial), ALDH-E2, ALDHI, ALDM, ALDH class 2, acetaldehyde dehydrogenase 2, liver mitochondrial ALDH, nucleus-encoded mitochondrial aldehyde dehydrogenase 2, MGC1806, mitochondrial aldehyde dehydrogenase 2

**Official Symbol:** ALDH2

**Accession Number(s):** NP\_000681.2; NP\_001191818.1

**Human GeneID(s):** [217](#)

**Non-Human GeneID(s):** 11669 (mouse), 29539 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_000681.2; NP\_001191818.1).

### Immunogen

Peptide with sequence C-DETQFKKILGYIN., from the internal region of the protein sequence according to NP\_000681.2; NP\_001191818.1.

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 1:8000.

**Western blot:** Approx 55kDa band observed in Mouse Liver lysates (calculated MW of 56.5kDa according to Mouse NP\_033786.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.3-1µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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



Biotinylated EB10118 (0.3 $\mu$ g/ml) staining of Mouse Liver lysate (35 $\mu$ g 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.