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# EB10118 - Goat Anti-ALDH2 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

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

Official Symbol: ALDH2

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

Human GeneID(s): 217

Non-Human GenelD(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**

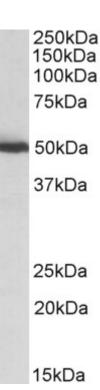
Peptide ELISA: antibody detection limit dilution 1:8000.

**Western blot:** Approx 50kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 56.4kDa according to Human NP\_000681.2 amd 56.5kDa according to Mouse NP\_033786.1). Recommended concentration: 0.03-0.1µg/ml.

# **Species Reactivity**

Tested: Human, Mouse, Rat

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



EB10118 ( $0.03\mu g/ml$ ) staining of Mouse Liver lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.