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

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 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 50kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 56.4kDa according to Human NP_000681.2 and 56.5kDa according to Mouse NP_033786.1). Recommended concentration: 0.03-0.1µg/ml.

Enzyme immunoassay: Sandwich-type ELISA with increasing amount of recombinant ALDH2 captured by a rabbit antibody. Recommended reporter concentration: 1-2ug/ml

Species Reactivity

Tested: Human, Mouse, Rat

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

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

EB10118 (1.5ug/ml) as the reporter with EB002001 as the capture rabbit antibody (2.5ug/ml).