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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, ALDH1, ALDM, ALDH class 2, acetaldehyde dehydrogenase 2, liver mitochondrial ALDH, nucleus-encoded 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 μ g/ml) staining of Mouse Liver lysate (35 μ 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.