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EB10437 - Goat Anti-ALDH6A1 (aa487-496) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aldehyde dehydrogenase 6 family, member A1, aldehyde dehydrogenase 6A1, MGC40271, mitochondrial acylating methylmalonate-semialdehyde dehydrogenase, MMSADHA, MMSDH, ALDH6A1 Official Symbol: ALDH6A1 Accession Number(s): NP_005580.1; NP_001265522.1; NP_001265523.1 Human GenelD(s): 4329 Non-Human GenelD(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

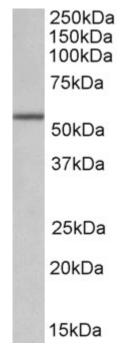
Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 55kDa band observed in Human, Mouse and Rat Kidney lysates (calculated MW of 57.8kDa according to NP_005580.1). Recommended concentration: 0.1-0.3µg/ml.

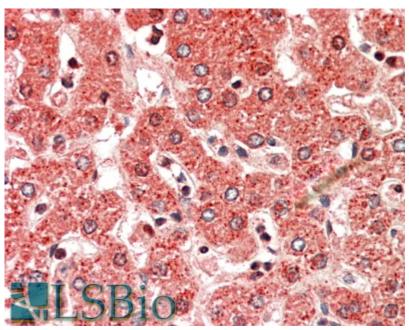
IHC: In paraffin embedded Human Liver shows textured staining of the cytoplasm consistent with mitochondria. Recommended concentration, 5-10µg/ml.

Species Reactivity

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



EB10437 (0.1µg/ml) staining of Mouse Kidney lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10437 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.