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EB10436 - Goat Anti-ALDH5A1 (aa 301-312) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aldehyde dehydrogenase 5 family, member A1, aldehyde dehydrogenase 5A1, mitochondrial succinate semialdehyde dehydrogenase, NAD(+)-dependent succinic semialdehyde dehydrogenase, SSADH, SSDH, succinate-semialdehyde dehydrogenase, ALDH5A1
Official Symbol: ALDH5A1
Accession Number(s): NP_733936.1; NP_001071.1
Human GenelD(s): 7915
Non-Human GenelD(s): 214579 (mouse), 291133 (rat)
Important Comments: This antibody is expected to recognize both reported isoforms (NP_733936.1; NP_001071.1). Amino acid numbering in name calculated from NP_733936.1.

Immunogen

Peptide with sequence C-TGKILLHHAANS, from the internal region of the protein sequence according to NP_733936.1; NP_001071.1.

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

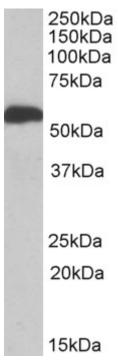
Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 55kDa band observed in Human Liver lysates (calculated MW of 58.7kDa according to NP_733936.1). Recommended concentration: 1-3µg/ml. Please note that both this product and EB10435 detects a 50kDa in Mouse and Rat Liver lysates (calculated MW of 56.0kDa according to Mouse NP_766120.1). Primary incubation was 1 hour.

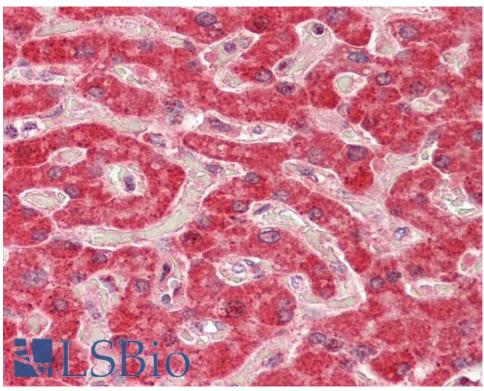
IHC: Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.

Species Reactivity

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



EB10436 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10436 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.