



Goat anti-ALDH5A1 (aa 485-496) Antibody

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| Item Number | dAP-2236 |
| Target Molecule | Principle Name: ALDH5A1 (aa 485-496); Official Symbol: ALDH5A1; All Names and Symbols: ALDH5A1; aldehyde dehydrogenase 5 family, member A1; SSADH; SSDH; NAD(+)-dependent succinic semialdehyde dehydrogenase; aldehyde dehydrogenase 5A1; mitochondrial succinate semialdehyde dehydrogenase; succinate-semialdehyde dehydrogenase; Accession Number (s): NP_733936.1; NP_001071.1; Human Gene ID(s): 7915; Non-Human GeneID(s): 214579 (mouse) 291133 (rat) |
| Immunogen | SQDPAQIWRVAE, is from internal region 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. |
| Applications | Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 32000. |
| Western Blot | Western Blot: Approx 55kDa band observed in Human Liver lysates (calculated MW of 58.7kDa according to NP_733936.1). Recommended concentration: 0.3-1µg/ml. Please note that both this product and EB10436 detects a 50kDa in Mouse and Rat Liver lysates (cal |
| IHC | Immunohistochemistry: In paraffin embedded Human Liver shows heavy textured cytoplasm staining in hepatocytes, consistent with mitochondria.. Recommended concentration, 5-10µg/ml. |
| Reference | Reference(s): Joslyn G, Ravindranathan A, Brush G, Schuckit M, White RL, Human variation in alcohol response is influenced by variation in neuronal signaling genes. Alcoholism, clinical and experimental research 2010 May 34 (5): 800-12..PMID: 20201926-> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**