

Goat anti-ALDH6A1 (aa487-496), Biotinylated Antibody

Item Number dAP-3383

Target Molecule Principle Name: ALDH6A1 (aa487-496), Biotinylated; Official Symbol: ALDH6A1; All Names and Symbols: ALDH6A1; aldehyde dehydrogenase 6 family member A1; MMSADHA; MMSDH; aldehyde dehydrogenase 6 family, member A1; malonate-semialdehyde dehydrogenase; mitochondrial acylating methylmalonate-semialdehyde dehydrogenase; testicular tissue protein Li 122; Accession Number (s): NP_005580.1; NP_001265522.1; NP_001265523.1; Human Gene ID(s): 4329; Non-Human GenelD(s): 104776 (mouse)

Immunogen SRSSFRGDTN., is from internal region
This antibody is expected to recognize all three reported isoform (NP_005580.1; NP_001265522.1; NP_001265523.1).

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 Mouse Kidney lysates (calculated MW of 57.9kDa according to Mouse NP_598803.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.

IHC

Reference Reference(s): Alnouti Y, Klaassen CD. Tissue distribution, ontogeny, and regulation of aldehyde dehydrogenase (Aldh) enzymes mRNA by prototypical microsomal enzyme inducers in mice. *Toxicological sciences : an official journal of the Society of Toxicology* 2008 Jan 101 (1): 51-64.. PMID: 17998271->

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**