ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-ALDH6A1 (aa487-496) Antibody

Item Number	dAP-2280
Target Molecule	Principle Name: ALDH6A1 (aa487-496); Official Symbol: ALDH6A1; All Names and Symbols: ALDH6A1; aldehyde dehydrogenase 6 family, member A1; MGC40271; MMSADHA; MMSDH; aldehyde dehydrogenase 6A1; mitochondrial acylating methylmalonate-semialdehyde dehydrogenase; Accession Number (s): NP_005580.1; NP_001265522.1; NP_001265523.1; Human Gene ID(s): 4329; Non-Human GeneID(s): 104776 (mouse) 81708 (rat)
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; Reconsititute 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, Mouse and Rat Kidney lysates (calculated MW of 57.8kDa according to NP_005580.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows textured staining of the cytoplasm consistent with mitochondria. Recommended concentration, 5-10µg/ml.
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. Toxicol Sci. 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

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