



## Goat anti-ALDH1A1 (C Terminus) Antibody

<b>Item Number</b>	dAP-0032
<b>Target Molecule</b>	Principle Name: ALDH1A1 (C Terminus); Official Symbol: ALDH1A1; All Names and Symbols: ALDH1A1; aldehyde dehydrogenase 1 family, member A1; ALDC; ALDH-E1; ALDH1; ALDH11; MGC2318.; PUMB1; RALDH1; ALDH class 1; acetaldehyde dehydrogenase 1; aldehyde dehydrogenase 1, soluble; aldehyde dehydrogenase 1A1; aldehyde dehydrogenase, liver cytosolic; Accession Number (s): NP_000680.2; Human Gene ID(s): 216; Non-Human GeneID(s): 11668 (mouse) 24188 (rat)
<b>Immunogen</b>	EVKTVTVKISQKNS, is from C Terminus This antibody may cross-react with ALDH1A2 (GeneID 8854) with one residue difference from this design and with ALDH2 (GeneID 217) with two residues difference from this design.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 1000.
<b>Western Blot</b>	Western Blot: Approx 55kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 54.9kDa according to NP_000680.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Zheng CF, Wang TT, Weiner H. Cloning and expression of the full-length cDNAs encoding human liver class 1 and class 2 aldehyde dehydrogenase. Alcohol Clin Exp Res 1993 Aug;17(4):828-31.PMID: 8214422->

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**