

Goat anti-ALDH1A1 (Internal) Antibody

Item Number	dAP-0789
Target Molecule	Principle Name: ALDH1A1 (Internal); 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):
Immunogen	RELGEYGFHEYTE, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 54.9kDa according to NP_000680.2). Recommended concentration: 1-3µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.
Reference	Reference(s): Everts HB, King LE Jr, Sundberg JP, Ong DE. Hair cycle-specific immunolocalization of retinoic acid synthesizing enzymes Aldh1a2 and Aldh1a3 indicate complex regulation. <i>J Invest Dermatol</i> . 2004 Aug;123(2):258-63. PMID: 15245423 ->

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 end users! This product is sold for **Research Use Only**