

Goat anti-ALDH9A1 Antibody

Item Number	dAP-2156
Target Molecule	Principle Name: ALDH9A1; Official Symbol: ALDH9A1; All Names and Symbols: ALDH9A1; aldehyde dehydrogenase 9 family, member A1; ALDH4; ALDH7; ALDH9; E3; TMABADH; 4-trimethylaminobutyraldehyde dehydrogenase; R-aminobutyraldehyde dehydrogenase; aldehyde dehydrogenase (NAD+); aldehyde dehydrogenase 9A1; aldehyde dehydrogenase E3 is; Accession Number (s): NP_000687.3; Human Gene ID(s): 223; Non-Human GeneID(s):
Immunogen	QKEILDKFTEEVVKQ, 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 16000.
Western Blot	Western Blot: Approx 50kDa band observed in Human Kidney and Liver lysates (calculated MW of 56.3kDa according to NP_000687.3). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommme
IHC	Immunohistochemistry: In paraffin embedded Human Cerebellum shows staining of a few cells between the Granular Cell layer and the Molecular Layer of the Cerebellum. Please note the unstained Purkinje cell at 10 O'clock. Recommended concentration, 3-5µg/ml
Reference	Reference(s): Kikonyogo A, Pietruszko R, Aldehyde dehydrogenase from adult human brain that dehydrogenates gamma-aminobutyraldehyde: purification, characterization, cloning and distribution. The Biochemical journal 1996 May 316 (Pt 1) : 317-24..PMID: 8645224->

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**