



Goat anti-ALDH3B1 Antibody

Item Number	dAP-2138
Target Molecule	Principle Name: ALDH3B1; Official Symbol: ALDH3B1; All Names and Symbols: ALDH3B1; aldehyde dehydrogenase 3 family, member B1; ALDH4; ALDH7; FLJ26433; FLJ34710; aldehyde dehydrogenase 3B1; aldehyde dehydrogenase 7; Accession Number (s): NP_000685.1; Human Gene ID(s): 221; Non-Human GeneID(s):
Immunogen	QDLHKSAFESEVSE, is from internal region This antibody is expected to recognize isoform a (NP_000685.1) only. This antibody is not expected to cross react with ALDH3B2.
Applications	Pep ELISA, WB 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 55kDa band observed in Human Peripheral Blood Mononucleocytes and in lysates of cell line K562 (calculated MW of 51.8kDa according to NP_000685.1). Recommended concentration: 0.3 -1µg/ml.
IHC	
Reference	Reference(s): Wang Y, Hu Y, Fang Y, Zhang K, Yang H, Ma J, Xu Q, Shen Y, Evidence of epistasis between the catechol-O-methyltransferase and aldehyde dehydrogenase 3B1 genes in paranoid schizophrenia. Biological psychiatry 2009 Jun 65 (12): 1048-54..PMID: 19159868->

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**