



Goat anti-ALDH18A1 Antibody

Item Number	dAP-2227
Target Molecule	Principle Name: ALDH18A1; Official Symbol: ALDH18A1; All Names and Symbols: ALDH18A1; aldehyde dehydrogenase 18 family, member A1; GSAS; MGC117316; P5CS; PYCS; aldehyde dehydrogenase 18A1; delta1-pyrroline-5-carboxylate synthetase; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); Accession Number (s): NP_002851.2; NP_001017423.1; Human Gene ID(s): 5832; Non-Human GeneID(s): 56454 (mouse) 361755 (rat)
Immunogen	SEHGSLKYLH, is from C Terminus This antibody is expected to recognize both reported isoforms (NP_002851.2; NP_001017423.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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 8000.
Western Blot	Western Blot: Approx 85kDa band observed in lysates of cell lines NIH3T3 and MCF7 (calculated MW of 87.3kDa according to NP_002851.2). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Rose J, Behm FM, Drgon T, Johnson C, Uhl GR, Personalized smoking cessation: interactions between nicotine dose, dependence and quit success genotype score. Molecular medicine (Cambridge, Mass.) 2010 Mar ; ..PMID: 20379614->

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**