

Goat anti-ALDH2 Antibody

Item Number	dAP-2139
Target Molecule	Principle Name: ALDH2; Official Symbol: ALDH2; All Names and Symbols: ALDH2; aldehyde dehydrogenase 2 family (mitochondrial); ALDH-E2; ALDH1; ALDM; MGC1806; ALDH class 2; acetaldehyde dehydrogenase 2; liver mitochondrial ALDH; mitochondrial aldehyde dehydrogenase 2; nucleus-encoded mitochondrial aldehyde dehydrogenase 2; Accession Number (s): NP_000681.2; NP_001191818.1; Human Gene ID (s): 217; Non-Human GeneID(s): 11669 (mouse) 29539 (rat)
Immunogen	DETQFKKILGYIN, is from internal region This antibody is expected to recognize both reported isoforms (NP_000681.2; NP_001191818.1).
Applications	Pep ELISA, WB, EIA Species Tested: Human, Mouse, Rat
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 50kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 56.4kDa according to Human NP_000681.2 and 56.5kDa according to Mouse NP_033786.1). Recommended concentration: 0.03-0.1μg/ml.
IHC	
Reference	Reference(s): Kimura M, Sawayama T, Matsushita S, Higuchi S, Kashima H, Association between personality traits and ALDH2 polymorphism in Japanese male alcoholics. <i>Alcoholism, clinical and experimental research</i> 2009 May 33 (5): 799-803.. PMID: 19298328->

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**