

## Goat anti-ALDH2, Biotinylated Antibody

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| <b>Item Number</b>     | dAP-3343   |
| <b>Target Molecule</b> | Principle Name: ALDH2, Biotinylated; Official Symbol: ALDH2; All Names and Symbols: ALDH2; aldehyde dehydrogenase 2 family (mitochondrial); ALDH-E2; ALDH1; ALDM; ALDH class 2; acetaldehyde dehydrogenase 2; liver mitochondrial ALDH; 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) |
| <b>Immunogen</b>       | DETQFKKILGYIN., is from internal region<br>This antibody is expected to recognize both reported isoforms (NP_000681.2; NP_001191818.1).  |
| <b>Applications</b>    | Pep ELISA, WB, EIA<br><br>Species Tested: Human, Mouse, Rat  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.  |
| <b>Supplied As</b>     | 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.   |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 8000.  |
| <b>Western Blot</b>    | Western Blot: Approx 55kDa band observed in Mouse Liver lysates (calculated MW of 56.5kDa according to Mouse NP_033786.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.3-1µg/ml.   |
| <b>IHC</b>             |  |
| <b>Reference</b>       | 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**