

## Goat anti-Aldehyde Reductase Antibody

<b>Item Number</b>	dAP-0340
<b>Target Molecule</b>	Principle Name: Aldehyde Reductase; Official Symbol: AKR1A1; All Names and Symbols: aldehyde reductase; AKR1A1; aldo-keto reductase family 1, member A1 (aldehyde reductase); ALDR1; ALR; MGC12529; MGC1380; alcohol dehydrogenase; aldo-keto reductase family 1, member A1; DD3; OT-THUMP0000009240; dihydrodiol dehydrogenase 3; Accession Number (s): NP_006057.1; NP_697021.1; Human Gene ID(s): 10327; Non-Human GeneID(s): 58810 (mouse) 78959 (rat)
<b>Immunogen</b>	DAGHPLYPFNDPY, is from C Terminus Both reported variants (NP_006057.1 and NP_697021.1) represent identical protein
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<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. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 37kDa band observed in Human Liver and Human Placenta lysates (calculated MW of 36.6kDa according to NP_006057.1 and NP_697021.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Fujii J, Hamaoka R, Matsumoto A, Fujii T, Yamaguchi Y, Egashira M, Miyoshi O, Niikawa N, Taniguchi N. The structural organization of the human aldehyde reductase gene, AKR1A1, and mapping to chromosome 1p33->p32. Cytogenet Cell Genet. 1999;84(3-4):230-2.. PMID: 10393438->

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**