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Datasheet for ABIN1607775  
**anti-Aldehyde Dehydrogenase antibody (Biotin)**

### Overview

Quantity:	100 µg
Target:	Aldehyde Dehydrogenase (ALDH)
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aldehyde Dehydrogenase antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

### Product Details

Immunogen:	Aldehyde Dehydrogenase [Yeast] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Aldehyde Dehydrogenase from other sources may occur but have not been specifically determined.
Purity:	Anti-Aldehyde Dehydrogenase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Aldehyde Dehydrogenase [Yeast].
Endotoxin Level:	Low Endotoxin : No

## Target Details

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Target:	Aldehyde Dehydrogenase (ALDH)
Alternative Name:	Aldehyde Dehydrogenase ( <a href="#">ALDH Products</a> )
Background:	Aldehyde Dehydrogenase catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acids. It is active on a variety of saturated and unsaturated aliphatic aldehydes from 6 to 24 carbons in length. Anti-Aldehyde Dehydrogenase antibody is ideal for researchers interested in Metabolism, Signal Transduction, Cardiovascular, or Neuroscience research. Synonyms: Aldehyde dehydrogenase [NAD(P)+] 1 ALD2, ALD5
Gene ID:	855206
UniProt:	<a href="#">P47771</a>

## Application Details

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Application Notes:	Anti-Aldehyde Dehydrogenase has been assayed against 1.0 µg of Aldehyde Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1.000 to 1:5.000 of the reconstitution concentration is suggested for this product.  ELISA Dilution: 1:5.000 - 1:20.000 IF Immunoprecipitation Dilution: 1:100 Western Blot Dilution: 1:500 - 1:5.000
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at

## Handling

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the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

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Expiry Date: Expiration date is one (1) year from date of opening.