

Datasheet for ABIN5596684

anti-Aldehyde Dehydrogenase antibody (HRP)[Go to Product page](#)**1** Image

Overview

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

Product Details

Immunogen:	Immunogen: Aldehyde Dehydrogenase [Yeast] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Aldehyde Dehydrogenase from other sources is unknown.
Purification:	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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Aldehyde Dehydrogenase [Yeast].

Target Details

Target:	Aldehyde Dehydrogenase (ALDH)
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Target Details

Alternative Name:	Aldehyde Dehydrogenase (ALDH Products)
Background:	<p>Synonyms: Aldehyde dehydrogenase [NAD(P)+] 1 ALD2, ALD5</p> <p>Background: Aldehyde dehydrogenase are a group of enzymes that catalyse the oxidation (dehydrogenation) of aldehydes. Aldehyde dehydrogenase is a polymorphic enzyme responsible for the oxidation of aldehydes to carboxylic acids, which leave the liver and are metabolized by the body's muscle and heart. ALDH2 also plays a crucial role in maintaining low blood levels of acetaldehyde during alcohol oxidation.</p> <p>Gene Name: ALD2, ALD5</p>
Gene ID:	855206
UniProt:	P47771

Application Details

Application Notes:	<p>Application Note: Anti-Aldehyde dehydrogenase has been assayed against 1.0 µg of Aldehyde Dehydrogenase [Yeast] in a standard capture ELISA using 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 1:10,000 to 1:50,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:500 - 1:5,000</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:5,000 - 1:20,000</p>
Restrictions:	For Research Use only

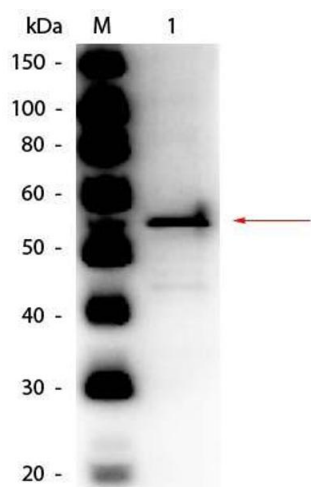
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-Aldehyde Dehydrogenase (yeast) Antibody Peroxidase Conjugated. Lane 1: Aldehyde Dehydrogenase (yeast). Load: 50 ng per lane. Primary antibody: Rabbit anti-Aldehyde Dehydrogenase (yeast) Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Aldehyde Dehydrogenase (yeast).