



[Go to Product page](#)

Datasheet for ABIN5596684

anti-Aldehyde Dehydrogenase antibody (HRP)

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)
---------	-------------------------------

Target Details

Alternative Name: Aldehyde Dehydrogenase ([ALDH Products](#))

Background: Synonyms: Aldehyde dehydrogenase [NAD(P)+] 1 ALD2, ALD5
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.
Gene Name: ALD2, ALD5

Gene ID: 855206

UniProt: [P47771](#)

Application Details

Application Notes: 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.
Western Blot Dilution: 1:500 - 1:5,000
Immunoprecipitation Dilution: 1:100
ELISA Dilution: 1:5,000 - 1:20,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: 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

Preservative: Gentamicin sulfate

Precaution of Use: This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

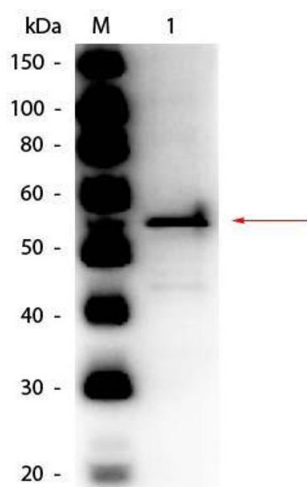
Handling

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).