Datasheet for ABIN94896

anti-Aldehyde Dehydrogenase antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	Aldehyde Dehydrogenase (ALDH)
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aldehyde Dehydrogenase antibody is un-conjugated
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 tissues and species 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-Rabbit Serum as well as purified and partially purified Aldehyde Dehydrogenase [Yeast].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Aldehyde Dehydrogenase (ALDH)
Alternative Name:	Aldehyde Dehydrogenase (ALDH Products)
Background:	The enzyme encoded by this gene belongs to the aldehyde dehydrogenase family of enzymes that catalyze the chemical transformation from acetaldehyde to acetic acid. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. The ALDH2 gene encodes a mitochondrial isoform, which has a low Km for acetaldehydes, and is localized in mitochondrial matrix, in contrast the ALDH1 gene codes for the cytosolic isoform. Anti-ALDEHYDE DEHYDROGENASE is ideal for investigatorsSynonyms: Aldehyde dehydrogenase [NAD(P)+] 1 ALD2, ALD5
Gene ID:	855206
UniProt:	P47771

Application Details

Application Notes:	Anti-ALDEHYDE DEHYDROGENASE should be optimized by tthe end user for specific conditions for reactivity. ELISA Dilution: 1:5.000 - 1:20.000 IF Immunoprecipitation Dilution: 1:100 Western Blot Dilution: 1:500 - 1:2.000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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 the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Handling

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