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Datasheet for ABIN568071

anti-Aldehyde Dehydrogenase antibody (Biotin)

Overview

Quantity:	1 mL
Target:	Aldehyde Dehydrogenase (ALDH)
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aldehyde Dehydrogenase antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunodiffusion (ID), Enzyme Immunoassay (EIA), Dot Blot (DB), Radioimmunoassay (RIA)

Product Details

Immunogen:	Aldehyde dehydrogenase isolated and purified from Baker's Yeast. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Characteristics:	Molar Ratio: ~4.5
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography.

Target Details

Target:	Aldehyde Dehydrogenase (ALDH)
Alternative Name:	Aldehyde Dehydrogenase (ALDH Products)
Background:	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

Target Details

distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50 % of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. It Binds free retinal and cellular retinol-binding protein-bound retinal. Can convert/oxidize retinaldehyde to retinoic acid (By similarity).

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Restore by adding 1.0 mL of sterile distilled water.

Concentration: 10.0 mg/mL

Buffer: PBS, pH 7.2 without preservatives and foreign proteins.

Preservative: Without preservative

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody lyophilized at 2-8 °C and reconstituted at 2-8 °C for one week or (in aliquots) at -20 °C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.