Datasheet for ABIN5596893

anti-Alcohol Dehydrogenase (ADH) antibody (HRP)

1 Image

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Overview

Quantity:	100 µg
Target:	Alcohol Dehydrogenase (ADH)
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Alcohol Dehydrogenase [Yeast] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Alcohol Dehydrogenase from other sources is unknown.
Purification:	Alcohol 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 Alcohol Dehydrogenase [Yeast].

Target Details

Target:	Alcohol Dehydrogenase (ADH)

Target Details

Alternative Name:	Alcohol Dehydrogenase (ADH Products)
Background:	Synonyms: Alcohol dehydrogenase 1 EC=1.1.1.1 Alcohol dehydrogenase I YADH-1 Background: Alcohol Dehydrogenases (ADH) are a group of dehydrogenase enzymes that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketones with the reduction of nicotinamide adenine dinucleotide (NAD+ to NADH). In humans and many other animals, they serve to break down alcohols that otherwise are toxic, and they also participate in generation of useful aldehyde, ketone, or alcohol groups during biosynthesis of various metabolites. Gene Name: ADH1, ADC1, YOL086C
Gene ID:	2538902
UniProt:	P00330

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:500 - 1:2,500 Application Note: Anti-Alcohol Dehydrogenase are useful for ELISA, western blot, and immunohistochemistry. Optimal titiers are to be optimized bt researchers. Western Blot Dilution: 1:1,000 - 1:5,000 Immunoprecipitation Dilution: 1:100 ELISA Dilution: 1:4,000 - 1:20,000
Restrictions:	For Research Use only

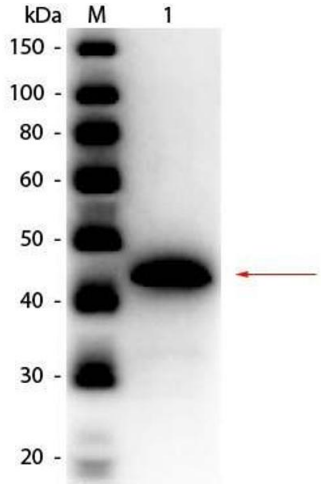
Handling

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-Alcohol Dehydrogenase (Yeast) Antibody Peroxidase Conjugated. Lane 1: Alcohol Dehydrogenase (yeast). Load: 50 ng per lane. Primary antibody: Rabbit anti-Alcohol 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: 37 kDa, 45 kDa for Alcohol Dehydrogenase (yeast).