

Datasheet for ABIN116588 **anti-ADH1 antibody**



[Go to Product page](#)

1 Image

Overview

Quantity:	2 mL
Target:	ADH1
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADH1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Full length Alcohol Dehydrogenase isolated from yeast.
Specificity:	Assay by Immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Alcohol Dehydrogenase [Yeast]. Cross reactivity against Alcohol Dehydrogenase from most fungal sources is likely due to sequence homology as determined by BLAST analysis. Cross reactivity with Alcohol Dehydrogenase from other sources is unknown.
Purification:	Delipidation and defibrination.

Target Details

Target:	ADH1
Alternative Name:	Alcohol Dehydrogenase 1 (ADH1 Products)
Background:	Alcohol dehydrogenase is an isozyme that preferentially catalyzes the conversion of acetaldehyde to acetone. Alcohol dehydrogenase has an apparent molecular weight of 37 kDa

Target Details

(monomer subunit) and forms a homotetramer. This enzyme acts on a variety of primary unbranched aliphatic alcohols and requires 2 bound zinc ions per subunit. Alcohol dehydrogenase shows a cytoplasmic localization. Microheterogeneities may also occur at positions 137, 138, 242-244, and 255 and near position 287. Synonyms: ADC1, ADH1, Alcohol dehydrogenase I, O0947, YADH-1, YOL086C

Gene ID: 854068

NCBI Accession: [NP_014555](#)

UniProt: [P00330](#)

Application Details

Application Notes: ELISA: 1/5,000-1/25,000). Western Blot: 1/500-1/2,000, expect a band approximately 37 kDa in size corresponding to monomeric alcohol dehydrogenase in the appropriate cell lysate or extract.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Restore with 2.0 mL of deionized water (or equivalent).

Concentration: 90.0 mg/mL (by refractometry)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, with 0.01 % (w/v) Sodium Azide as preservative.

Preservative: Sodium azide

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

Handling Advice: Dilute only prior to immediate use. Avoid cycles of freezing and thawing.

Storage: -20 °C

Storage Comment: Store vial at -20 °C. For extended storage aliquot contents and freeze at -20 °C or below.



Western Blotting

Image 1. Figure 1. Western blot analysis with Anti-Alcohol Dehydrogenase antibody was used to detect yeast Alcohol Dehydrogenase. Comparison to molecular weight markers (not shown) indicates estimated molecular weights consistent with monomer, dimer and tetramer present in this preparation. The blot was incubated with a 1:500 dilution of the antibody at room temperature for 2 h followed by detection using IRDye(TM)800 labeled Goat-a-Rabbit IgG [H&L] diluted 1:5,000