

Datasheet for 200-4343**Alcohol Dehydrogenase Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Alcohol Dehydrogenase (Yeast) (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-4343
Item No.:	200-4343
Size:	20 mg
Applications:	ELISA, WB
Reactivity:	<i>S. cerevisiae</i>
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Alcohol Dehydrogenase Antibody Peroxidase Conjugation, HRP conjugated rabbit ant-Alcohol Dehydrogenase Antibody, Alcohol dehydrogenase 1, Alcohol dehydrogenase I, YADH-1, ADH1, ADC1, ADH, ADC
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ADH1
Reactivity:	<i>S. cerevisiae</i>
Immunogen Type:	Native Protein

Immunogen:	Alcohol Dehydrogenase [Yeast]
Purity/Specificity:	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]. Cross reactivity against Alcohol Dehydrogenase from other sources is unknown.
Relevant Links:	• UniProtKB - P00330 • NCBI - 12643994 • GeneID - 2538902

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Alcohol Dehydrogenase Peroxidase Conjugated Antibody has been tested by ELISA and western blot and is suitable in immunohistochemistry. Optimal titers are to be optimized by researchers.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:4,000 - 1:20,000
IHC:	1:500 - 1:2,500
IP:	1:100
WB:	1:1,000 - 1:5,000

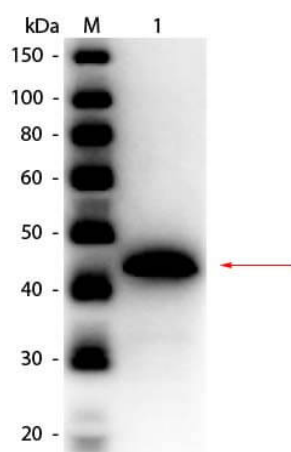
Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

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: MB-070 for 30 min at RT. Predicted/Observed size: 37 kDa, 45 kDa for Alcohol Dehydrogenase (yeast).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.