

## Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - 100-4144

**Code:** 100-4144

**Size:** 2 mL

**Product Description:** Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - 100-4144

**Concentration:** 85 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	ALD2, ALD5
<b>Species Reactivity</b>	Saccharomyces cerevisiae (Baker's yeast)
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	rabbit anti-Aldehyde Dehydrogenase Antibody, Aldehyde dehydrogenase, [NAD(P)+] 1, ALD2, ALD5
<b>Application Note</b>	Anti-Aldehyde Dehydrogenase has been assayed against 1.0 ug of Aldehyde Dehydrogenase [Yeast] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:16,000 of the reconstitution concentration is suggested for this product.
<b>Background</b>	Cytoplasmic aldehyde dehydrogenase is involved in ethanol oxidation. Aldehyde dehydrogenase is required for pantothenic acid production through the conversion of 3-aminopropanal to beta-alanine, an intermediate in pantothenic acid (vitamin B5) and coenzyme A (CoA) biosynthesis.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Aldehyde Dehydrogenase [Yeast]. Cross reactivity against Aldehyde Dehydrogenase from other tissues and species may occur but have not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:5,000 - 1:20,000
<b>Western Blot</b>	1:500 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Aldehyde Dehydrogenase [Yeast]
<b>Related Products</b>	
100-101-214	Anti-GLUCOSE DEHYDROGENASE (GOAT) Antibody - 100-101-214
100-1153	Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - 100-1153
100-4158	Anti-GLUTAMATE DEHYDROGENASE (Bovine Liver) (RABBIT) Antibody - 100-4158

610-4302 Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

## Related Links

UniProtKB - P47771

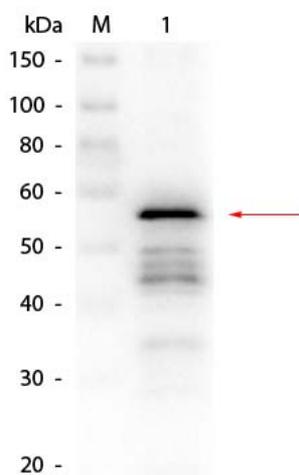
<http://www.uniprot.org/uniprot/P47771>

NCBI - P47771.2 <http://www.ncbi.nlm.nih.gov/protein/P47771.2>

GeneID - 855206

## Images

1 Western Blot of Rabbit anti-Aldehyde Dehydrogenase (yeast) Antibody. Lane 1: Aldehyde Dehydrogenase (yeast). Load: 50 ng per lane. Primary antibody: Rabbit anti-Aldehyde Dehydrogenase (yeast) Antibody at 1:500 overnight at 4°C. Secondary antibody: Peroxidase Conjugated Goat anti-Rabbit IgG secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Aldehyde 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.