

**Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody**  
Aldehyde Dehydrogenase Antibody  
Catalog # ASR3786**Specification****Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Product Information**

|                       |  |
|-----------------------|--|
| Host                  | Rabbit   |
| Conjugate             | Unconjugated   |
| Target Species        | Yeast  |
| Reactivity            | Saccharomyces cerevisiae   |
| Clonality             | Polyclonal   |
| Application           | WB, E, IP, I, LCI  |
| Application Note      | Anti-Aldehyde Dehydrogenase has been tested by western blot and is suitable to be 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. |
| Physical State        | Lyophilized  |
| Buffer                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2   |
| Immunogen             | Aldehyde Dehydrogenase [Yeast]   |
| Reconstitution Volume | 2.0 mL   |
| Reconstitution Buffer | Restore with deionized water (or equivalent)   |
| Preservative          | 0.01% (w/v) Sodium Azide   |

**Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Additional Information****Gene ID** 855206**Other Names**  
855206**Purity**

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.

**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.

#### Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

### Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Protein Information

**Name** ALD2

**Synonyms** ALD5

#### Function

Cytoplasmic aldehyde dehydrogenase involved in ethanol oxidation. 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.

#### Cellular Location

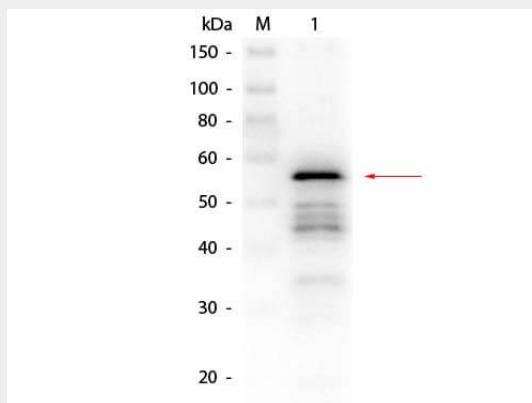
Cytoplasm.

### Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Images



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).

#### **Anti-ALDEHYDE DEHYDROGENASE (Yeast) (RABBIT) Antibody - Background**

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.