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Datasheet for ABIN7143837

## anti-ALDH7A1 antibody (AA 386-515) (Biotin)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | ALDH7A1                                       |
| Binding Specificity: | AA 386-515                                    |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal                                    |
| Conjugate:           | This ALDH7A1 antibody is conjugated to Biotin |
| Application:         | ELISA   |

### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant Human Alpha-aminoadipic semialdehyde dehydrogenase protein (386-515AA) |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | >95%, Protein G purified   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | ALDH7A1   |
| Alternative Name: | ALDH7A1 ( <a href="#">ALDH7A1 Products</a> )  |
| Background:       | Background: Multifunctional enzyme mediating important protective effects. Metabolizes betaine aldehyde to betaine, an important cellular osmolyte and methyl donor. Protects cells |

## Target Details

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from oxidative stress by metabolizing a number of lipid peroxidation-derived aldehydes.

Involved in lysine catabolism.

Aliases: 26g turgor protein homolog antibody, AL7A1\_HUMAN antibody, Aldehyde dehydrogenase 7 A1 antibody, Aldehyde dehydrogenase 7 family, member A1 antibody, Aldehyde dehydrogenase family 7 member A1 antibody, ALDH7A1 antibody, Alpha AASA dehydrogenase antibody, Alpha aminoadipic semialdehyde dehydrogenase antibody, Alpha-AASA dehydrogenase antibody, Alpha-aminoadipic semialdehyde dehydrogenase antibody, Antiquitin 1 antibody, Antiquitin antibody, Antiquitin-1 antibody, ATQ1 antibody, Betaine aldehyde dehydrogenase antibody, Delta1 piperideine 6 carboxylate dehydrogenase antibody, Delta1-piperideine-6-carboxylate dehydrogenase antibody, EPD antibody, P6c dehydrogenase antibody, PDE antibody

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UniProt: [P49419](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.