

Datasheet for ABIN360203

**anti-ALDH3A1 antibody (Middle Region)****2** Images[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.4 mL   |
| Target:              | ALDH3A1  |
| Binding Specificity: | Middle Region  |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ALDH3A1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of human ALDH3A1. |
| Isotype:      | Ig Fraction   |
| Specificity:  | This antibody reacts to ALDH3A1.  |
| Purification: | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | ALDH3A1                                    |
| Alternative Name: | ALDH3 ( <a href="#">ALDH3A1 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. ALDH3A1 forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. The enzyme is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea.Synonyms: ALDH3A1, ALDHIII, Aldehyde dehydrogenase, Aldehyde dehydrogenase 3, Aldehyde dehydrogenase family 3 member A1, dimeric NADP-preferring |
| Gene ID:    | 218, 9606   |
| UniProt:    | <a href="#">P30838</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.25 mg/mL   |
| Buffer:            | PBS with 0.09 % (W/V) sodium azide   |
| 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:   | Avoid repeated freezing and thawing.   |
| Storage:           | 4 °C/-20 °C  |
| Storage Comment:   | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.                            |

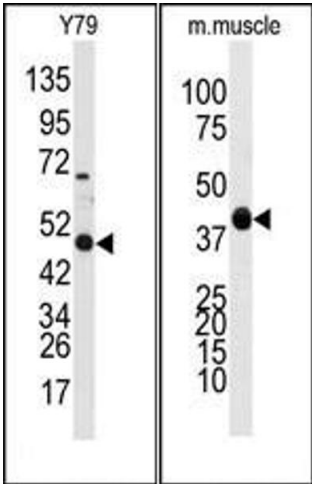


Image 1.

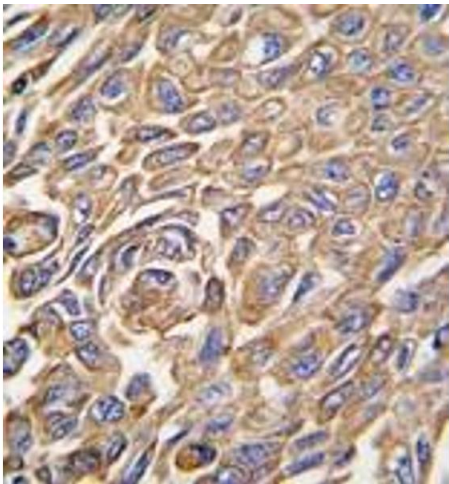


Image 2.