

Datasheet for ABIN356979

**anti-ALDH6A1 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Quantity:            | 0.4 mL                                          |
| Target:              | ALDH6A1                                         |
| Binding Specificity: | C-Term                                          |
| Reactivity:          | Human                                           |
| Host:                | Rabbit                                          |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This ALDH6A1 antibody is un-conjugated          |
| Application:         | Western Blotting (WB), Enzyme Immunoassay (EIA) |

## Product Details

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Immunogen:    | KLH conjugated synthetic peptide selected from the C-terminal region of human ALDH6A1 |
| Isotype:      | Ig Fraction                                                                           |
| Specificity:  | This antibody detects ALDH6A1 at C-term.                                              |
| Purification: | Protein A column, followed by peptide affinity purification                           |

## Target Details

|                   |                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ALDH6A1                                                                                                                                                                                     |
| Alternative Name: | ALDH6A1 / MMSDH ( <a href="#">ALDH6A1 Products</a> )                                                                                                                                        |
| Background:       | ALDH6A1 belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. This protein is a mitochondrial methylmalonate |

## Target Details

semialdehyde dehydrogenase, and catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.Synonyms: Aldehyde dehydrogenase family 6 member A1, Malonate-semialdehyde dehydrogenase [acylating], Methylmalonate-semialdehyde dehydrogenase [acylating] mitochondrial

Molecular Weight: 57858Da

Gene ID: 4329, 9606

UniProt: [Q02252](#)

Pathways: [Brown Fat Cell Differentiation](#)

## Application Details

Application Notes: ELISA 1: 1,000. Western blot 1: 50 - 1: 100. Immunohistochemistry 1: 10 - 1: 50.  
Other applications not tested.  
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 at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

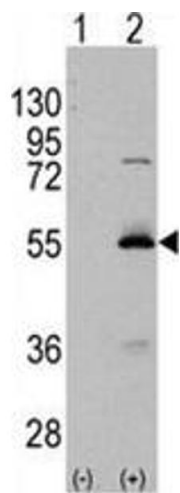


Image 1.

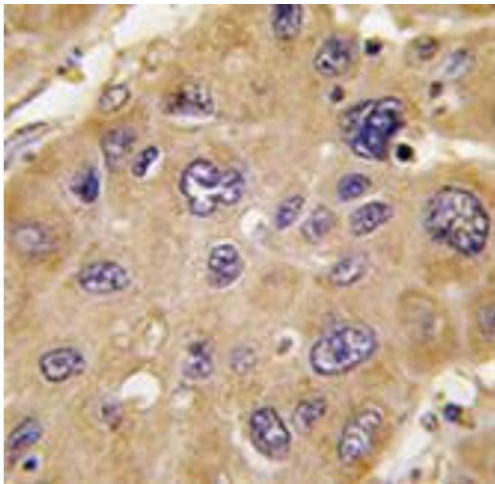


Image 2.