

## Rabbit anti-Human ALDH6A1 Polyclonal Antibody | anti-ALDH6A1 antibody

ALDH6A1 Antibody

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA307523</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

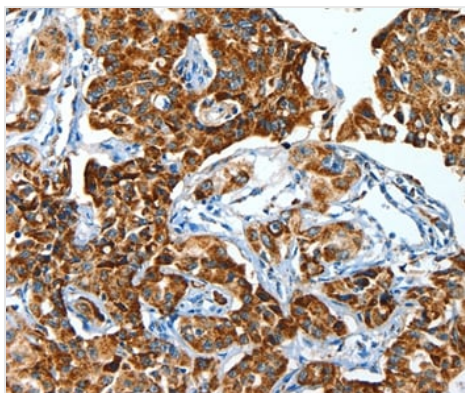
### PRODUCT SYNONYMS

ALDH6A1; Polyclonal Antibody; ALDH6A1 Antibody; MMSDH; MMSADHA; anti-ALDH6A1 antibody

### PRODUCT SPECIFICATIONS

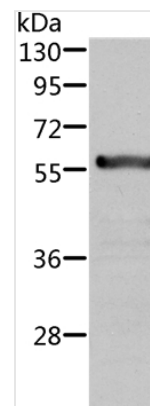
|                                                   |                                                                                                                  |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                           |
| Reactivity                                        | Human                                                                                                            |
| Clonality                                         | Polyclonal                                                                                                       |
| Specificity                                       | The antibody detects endogenous levels of total ALDH6A1 protein.                                                 |
| Purity/Purification                               | Antigen affinity purification.                                                                                   |
| Form/Format                                       | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                  |
| Concentration                                     | 1.7 mg/ml (varies by lot)                                                                                        |
| Sequence Length                                   | 522                                                                                                              |
| Applicable Applications for anti-ALDH6A1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                    |
| Immunogen Type                                    | Recombinant Protein                                                                                              |
| Immunogen Description                             | Fusion protein corresponding to residues near the C terminal of human aldehyde dehydrogenase 6 family, member A1 |
| Target Name                                       | ALDH6A1                                                                                                          |
| Preparation and Storage                           | Store at -20 degree C                                                                                            |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using at dilution 1/45.



#### Application Data

Gel: 10%SDS-PAGE Lysates (from left to right): Rat kidney tissue Amount of lysate: 40ug per lane Primary antibody: 1/450 dilution Secondary antibody dilution: 1/8000 Exposure time: 30 seconds

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ALDH6A1 antibody | This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methylmalonate semialdehyde dehydrogenase, 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. |
| Product Categories/Family for anti-ALDH6A1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 515870065                                                            |
| NCBI GeneID                      | 4329                                                                 |
| NCBI Accession #                 | NP_001265522.1                                                       |
| NCBI GenBank Nucleotide #        | NM_001278593.1                                                       |
| UniProt Accession #              | Q02252; Q9UKM8; B2R609; B4DFS8; J3KNU8                               |
| Molecular Weight                 | 56,228 Da                                                            |
| NCBI Official Full Name          | methylmalonate-semialdehyde dehydrogenase                            |
| NCBI Official Synonym Full Names | aldehyde dehydrogenase 6 family, member A1                           |
| NCBI Official Symbol             | ALDH6A1                                                              |
| NCBI Official Synonym Symbols    | MMSDH; MMSADHA                                                       |
| NCBI Protein Information         | methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial |
| UniProt Protein Name             | Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial |
| UniProt Gene Name                | ALDH6A1                                                              |
| UniProt Synonym Gene Names       | MMSDH; MMSDH; Malonate-semialdehyde dehydrogenase [acylating]        |
| UniProt Entry Name               | MMSA_HUMAN                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aldh6a1-antibody-immunohistochemistry-western-blot-elisa/307523>