

## ALDH2 recombinant antibody

ALDH2 Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA243957</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

ALDH2; Monoclonal Recombinant Antibody; ALDH2 Antibody; Aldehyde dehydrogenase; mitochondrial (EC 1.2.1.3) (ALDH class 2) (ALDH-E2) (ALDHI); ALDM; ALDH2 recombinant antibody

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                   |
| Reactivity                                             | Human, Mouse, Rat                                                                                        |
| Clonality                                              | Monoclonal                                                                                               |
| Isotype                                                | Rabbit IgG                                                                                               |
| Clone Number                                           | 3F10                                                                                                     |
| Purity/Purification                                    | Affinity-chromatography                                                                                  |
| Form/Format                                            | Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Applicable Applications for ALDH2 recombinant antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                     |
| Antibody Type                                          | Recombinant Antibody                                                                                     |
| Conjugation                                            | Non-conjugated                                                                                           |
| Immunogen                                              | A synthesized peptide derived from human ALDH2                                                           |
| Preparation and Storage                                | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.                              |

### IMAGES



#### IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



#### WB (Western Blot)

Western BlotPositive WB detected in: Ntera-2 whole cell lysate, Mouse Liver whole cell lysate, Rat Liver cell lysateAll lanes: ALDH2 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 57, 51 kDaObserved band size: 57 kDa

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                     |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ALDH2 recombinant antibody | extracellular exosome, mitochondrial matrix, aldehyde dehydrogenase (NAD) activity, aldehyde dehydrogenase [NAD(P)+] activity, electron carrier activity, NAD binding, alcohol metabolic process, carbohydrate metabolic process, ethanol oxidation |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 118504                                                                                                                                                              |
| NCBI GeneID                      | 217                                                                                                                                                                 |
| UniProt Accession #              | P05091; Q03639; Q6IB13; Q6IV71; B4DW54; E7EUE5                                                                                                                      |
| Molecular Weight                 | 517                                                                                                                                                                 |
| NCBI Official Full Name          | Aldehyde dehydrogenase, mitochondrial                                                                                                                               |
| NCBI Official Synonym Full Names | aldehyde dehydrogenase 2 family (mitochondrial)                                                                                                                     |
| NCBI Official Symbol             | ALDH2                                                                                                                                                               |
| NCBI Official Synonym Symbols    | ALDM; ALDHI; ALDH-E2                                                                                                                                                |
| NCBI Protein Information         | aldehyde dehydrogenase, mitochondrial; ALDH class 2; liver mitochondrial ALDH; acetaldehyde dehydrogenase 2; nucleus-encoded mitochondrial aldehyde dehydrogenase 2 |
| UniProt Protein Name             | Aldehyde dehydrogenase, mitochondrial                                                                                                                               |
| UniProt Gene Name                | <b>ALDH2</b>                                                                                                                                                        |
| UniProt Synonym Gene Names       | ALDM                                                                                                                                                                |
| UniProt Entry Name               | ALDH2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/aldh2-recombinant-antibody-clone-3f10-immunohistochemistry-western-blot-elisa/243957>