

**Product Name: ALDH1L1 Mouse Monoclonal Antibody**  
**Catalog #: AMM82834**



## Summary

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Production Name</b> | ALDH1L1 Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody         |
| <b>Host</b>            | Mouse                             |
| <b>Application</b>     | WB,IHC,FC,ELISA                   |
| <b>Reactivity</b>      | Human, Mouse, Rat                 |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | Mouse IgG1   |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide   |
| <b>Purification</b> | Affinity Purification  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | ALDH1L1  |
| <b>Alternative Names</b> | FDH; FTHFD; 10-fTHF; 10-FTHFDH   |
| <b>Gene ID</b>           | 10840.0  |
| <b>SwissProt ID</b>      | O75891.Purified recombinant fragment of human ALDH1L1 (AA: 10-222) expressed in E. Coli. |

## Application

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000 |
| <b>Molecular Weight</b> | 98.8kDa   |

## Background

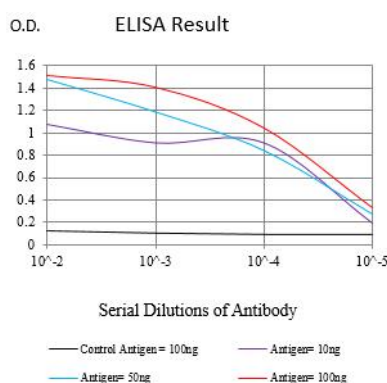
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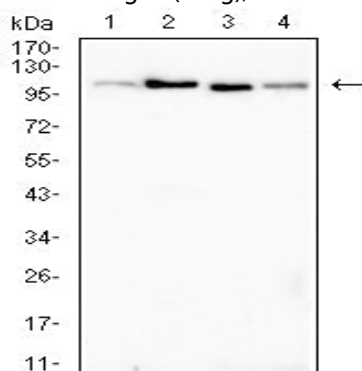
The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP+), and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family. Loss of function or expression of this gene is associated with decreased apoptosis, increased cell motility, and cancer progression. There is an antisense transcript that overlaps on the opposite strand with this gene locus. Alternative splicing results in multiple transcript variants.

## Research Area

## Image Data

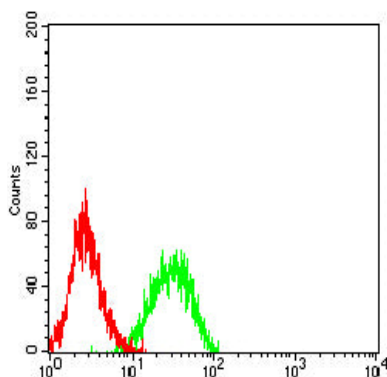


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

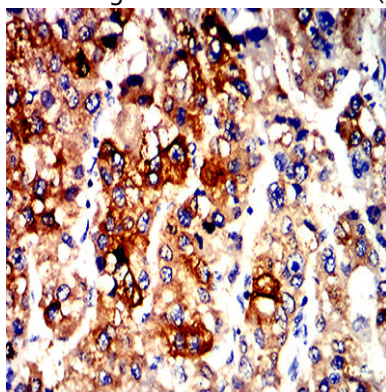


Western blot analysis using ALDH1L1 mouse mAb against Rat kidney (1), Mouse liver (2), Rat liver (3) and Mouse kidney (4) tissue lysate.

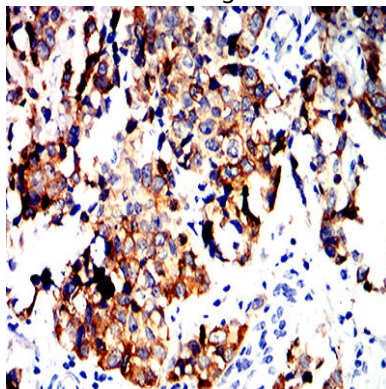
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Flow cytometric analysis of Jurkat cells using ALDH1L1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using ALDH1L1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using ALDH1L1 mouse mAb with DAB staining.

## Note

For research use only.