

# ALDH1L1 Rabbit mAb

Catalog No.: A7707    Recombinant    1 Publications

## Basic Information

### Observed MW

100 kDa

### Calculated MW

99 kDa

### Category

Primary antibody

### Applications

WB, IF-F, IF-P, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. number

ARC1432

## Background

The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP<sup>+</sup>), 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.

## Recommended Dilutions

**WB**                    1:1000 - 1:2000

**IF-P**                    1:200 - 1:800

**IF-P**                    1:100 - 1:400

**IHC-P**                    1:200 - 1:2000

**ELISA**                    Recommended starting concentration is 1  $\mu$ g/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10840

### Swiss Prot

075891

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

FDH; FTHFD; 10-fTHF; 10-FTHFDH; ALDH1L1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

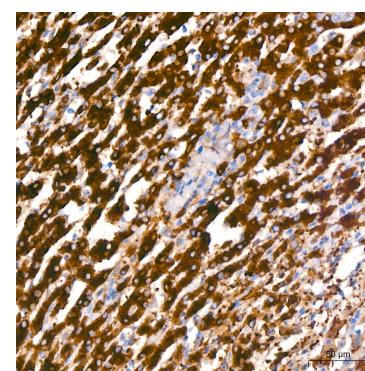
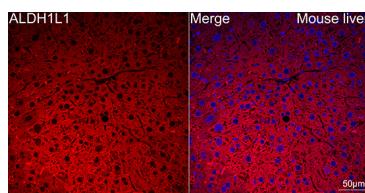
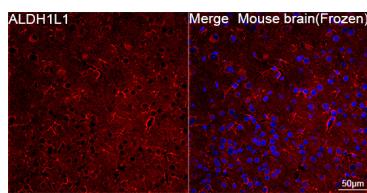
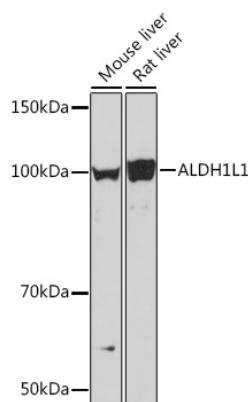
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

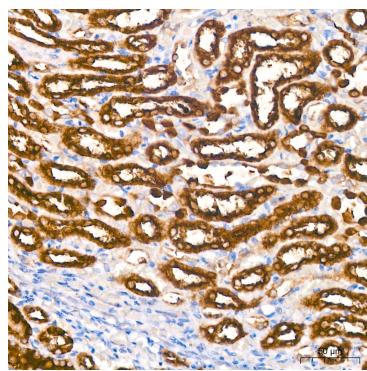
## Validation Data



Confocal imaging of frozen sections Mouse brain tissue using ALDH1L1 Rabbit mAb (A7707, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of Mouse liver using ALDH1L1 Rabbit mAb (A7707, dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 60x.

Immunohistochemistry analysis of paraffin-embedded Human liver using ALDH1L1 Rabbit mAb (A7707) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using ALDH1L1 Rabbit mAb (A7707) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.