ALDH1L1 Rabbit mAb

Catalog No.: A7707 Recombinant



Basic Information

Observed MW

100kDa

Calculated MW

99kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1432

Background

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.

Recommended Dilutions

WB	1:500 - 1:1000	
IHC-P	1:50 - 1:200	
IF/ICC	1:50 - 1:200	

Immunogen Information

Gene ID	Swiss Prot
10840	075891

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 180-300 of human ALDH1L1 (075891).

Synonyms

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

Contact

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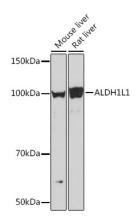
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



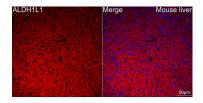
Western blot analysis of various lysates, using ALDH1L1 Rabbit mAb (A7707) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

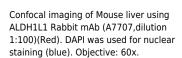
Lysates/proteins: 25µg per lane.

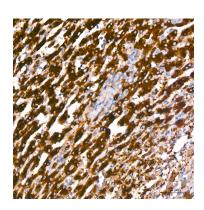
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

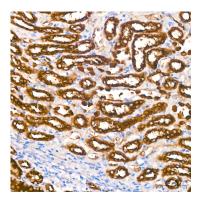
Exposure time: 90s.







Immunohistochemistry analysis of paraffinembedded human liver using ALDH1L1 Rabbit mAb (A7707) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffinembedded rat kidney using ALDH1L1 Rabbit mAb (A7707) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.