

Product Name: ALDH1L1 Mouse Monoclonal Antibody
Catalog #: AMM82835



Summary

Production Name	ALDH1L1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human, Rat

Performance

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

Immunogen

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

Application

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

Background

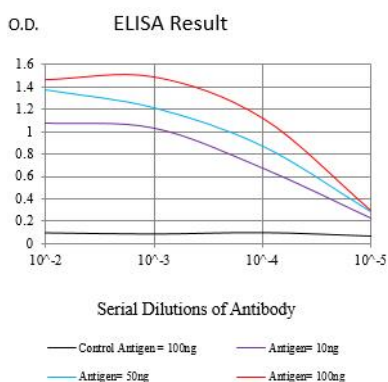
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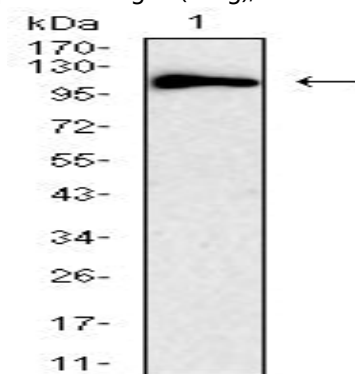
The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP+), and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family. Loss of function or expression of this 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

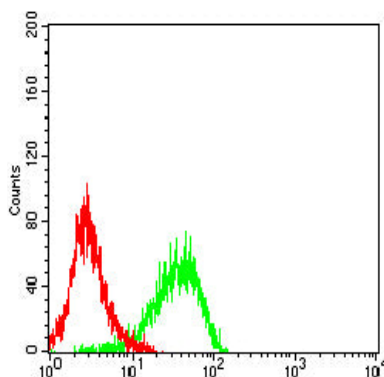


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

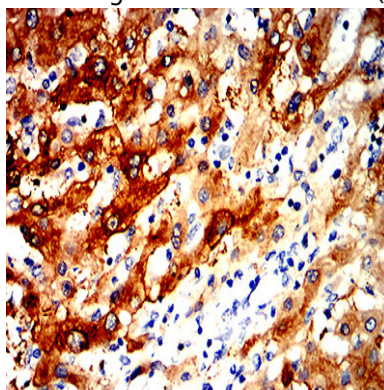


Western blot analysis using ALDH1L1 mouse mAb against Rat kidney (1)tissue lysate.

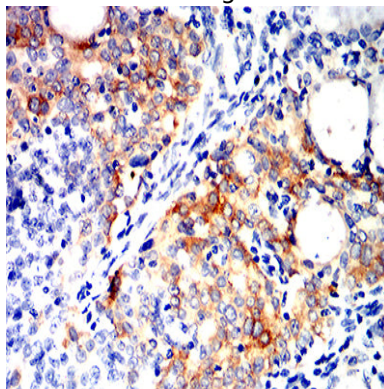
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Flow cytometric analysis of Jurkat cells using ALDH1L1 mouse mAb (green) and negative control (red).



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



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

Note

For research use only.