

ALDH1L1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4009
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human ALDH1L1 (AA: 10-222) expressed in E. Coli.
Mol wt	98.8kDa
Species reactivity	Human,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	FDH;FTHFD;10-fTHF;10-FTHFDH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 Dilution

WB: 1:500 - 1:2000

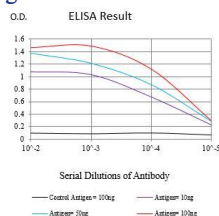
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

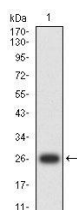
ELISA: 1:10000

Not yet tested in other applications.

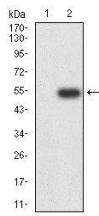
Images



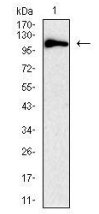
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



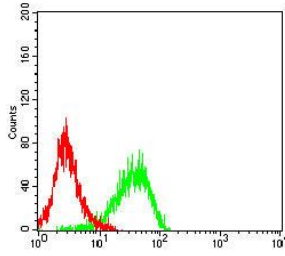
Western blot analysis using ALDH1L1 mAb against human ALDH1L1 (AA: 10-222) recombinant protein. (Expected MW is 26.5 kDa)



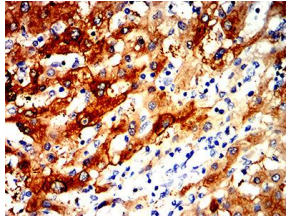
Western blot analysis using ALDH1L1 mAb against HEK293-6e (1) and ALDH1L1 (AA: 10-222)-hlgGFc transfected HEK293-6e (2) cell lysate.



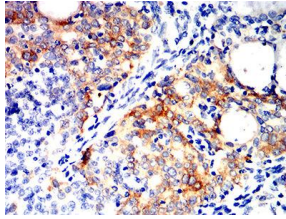
Western blot analysis using ALDH1L1 mouse mAb against Rat kidney (1) tissue lysate.



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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