

Mouse ALDH1L1 Monoclonal Antibody | anti-ALDH1L1 antibody

Anti-ALDH1L1 Antibody (clone 2A6) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52573	Mouse	Dog, Rat, Human, Monkey	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

ALDH1L1; Monoclonal Antibody; Anti-ALDH1L1 Antibody (clone 2A6) IHC-plus; Mouse Monoclonal [clone 2A6] (IgG1) to Human ALDH1L1; Human ALDH1L1; 10-FTHF; 10-FTHFDH; FTHFD; FDH; anti-ALDH1L1 antibody

PRODUCT SPECIFICATIONS

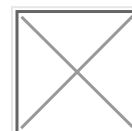
Host	Mouse
Reactivity	Dog, Rat, Human, Monkey
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A6
Specificity	Human ALDH1L1
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	0.98 mg/ml (varies by lot)
Sequence Length	902
Applicable Applications for anti-ALDH1L1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	ALDH1L1 antibody was raised against full length human recombinant protein of human ALDH1L1 (NP_036322) produced in HEK293T cell.
Immunogen Description	Full length human recombinant protein of human ALDH1L1 (NP_036322) produced in HEK293T cell.
Immunogen Type	Recombinant protein
Target Species	Human
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry of Jurkat cells, using anti-ALDH1L1 antibody (Red), compared to a nonspecific negative control antibody (Blue).



WB (Western Blot)

Western blot of extracts (35 ug) from 9 different cell lines by using anti-ALDH1L1 monoclonal antibody.



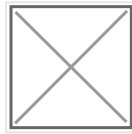
WB (Western Blot)

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ALDH1L1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ALDH1L1.



IHC (Immunohistochemistry)

Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1L1 antibody

ALDH1L1 Antibody, 10-fTHF Antibody, 10-FTHFDH Antibody, FTHFD Antibody, FDH Antibody Description: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21614513
NCBI GeneID	10840
NCBI Accession #	NP_036322.2
NCBI GenBank Nucleotide #	NM_012190.3
UniProt Accession #	O75891; Q68CS1; Q8TBP8; B4DG36; E9PBX3
Molecular Weight	55,394 Da
NCBI Official Full Name	cytosolic 10-formyltetrahydrofolate dehydrogenase isoform 2
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member L1
NCBI Official Symbol	ALDH1L1
NCBI Official Synonym Symbols	FDH; FTHFD; 10-fTHF; 10-FTHFDH
NCBI Protein Information	cytosolic 10-formyltetrahydrofolate dehydrogenase
UniProt Protein Name	Cytosolic 10-formyltetrahydrofolate dehydrogenase
UniProt Gene Name	ALDH1L1
UniProt Synonym Gene Names	FTHFD; 10-FTHFDH; FDH
UniProt Entry Name	AL1L1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aldh1l1-antibody-clone-2a6-flow-cytometry-western-blot-immunohistochemistry-elisa/52573>