Mouse ALDH1L1 Monoclonal Antibody | anti-ALDH1L1 antibody

ALDH1L1 antibody

CATALOG #	HOST	APPLICATIONS
AAA106333	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

ALDH1L1; Monoclonal Antibody; ALDH1L1 antibody; Monoclonal ALDH1L1; Anti-ALDH1L1; Aldehyde Dehydrogenase 1 Family Member L1; DKFZp781N0997; FTHFD; ALDHL 1; ALDHL-1; anti-ALDH1L1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7B7
Purity/Purification	ALDH1L1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	902
Applicable Applications for anti-ALDH1L1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	ALDH1L1 catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. ALDH1L1 belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning.
Cross-Reactivity	Human
Immunogen	ALDH1L1 antibody was raised in mouse using a full length recombinant protein of human ALDH1L1 (NP_036322) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant ALDH1L1 protein using ALDH1L1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ALDH1L1 protein (Right) or empty vector (Left) detected with ALDH1L1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1L1 antibody	Mouse monoclonal ALDH1L1 antibody

Product Categories/Family for anti-ALDH1L1 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	21614513
NCBI GeneID	10840
NCBI Accession #	NP_036322
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-7b7-western-blot-immunofluorescence-flow-cytometry-elisa/106333