

Rabbit anti-Human ALDH1B1 Polyclonal Antibody | anti-ALDH1B1 antibody

ALDH1B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324434	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ALDH1B1; Polyclonal Antibody; ALDH1B1 Antibody; Acetaldehyde dehydrogenase 5; AL1B1_HUMAN; Aldehyde dehydrogenase 1 family; member B1; Aldehyde dehydrogenase 1B1; Aldehyde dehydrogenase 5; Aldehyde dehydrogenase family 1 member B1; Aldehyde dehydrogenase X; Aldehyde dehydrogenase X mitochondrial; ALDH class 2; Aldh1b1; ALDH5; ALDHX; MGC2230; Mitochondrial aldehyde dehydrogenase X; mitochondrial; OTTHUMP00000021399; anti-ALDH1B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDH1B1 antibody detects endogenous levels of total ALDH1B1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	517
Applicable Applications for anti-ALDH1B1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix.
Tissue Specificity	Liver, testis and to a lesser extent in brain.
Predicted Cross Reactivity	Pig, Dog
Similarity	Pig (90%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324434 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using ALDH1B1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1B1 antibody	Function: ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. Subunit Structure: Homotetramer. Similarity: Belongs to the aldehyde dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777730
NCBI GeneID	219
NCBI Accession #	NP_000683.3
NCBI GenBank Nucleotide #	NM_000692.4
UniProt Accession #	P30837; Q8WX76; Q9BV45; B2R8F0
Molecular Weight	Observed: 57 kD Predicted: 58 kDa
NCBI Official Full Name	aldehyde dehydrogenase X, mitochondrial
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member B1
NCBI Official Symbol	ALDH1B1
NCBI Official Synonym Symbols	ALDH5; ALDHX
NCBI Protein Information	aldehyde dehydrogenase X, mitochondrial
UniProt Protein Name	Aldehyde dehydrogenase X, mitochondrial
UniProt Gene Name	ALDH1B1
UniProt Synonym Gene Names	ALDH5; ALDHX

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/polyclonal/aldh1b1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324434>