

Datasheet for ABIN2774223

anti-ALDH1B1 antibody (Middle Region)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ALDH1B1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Pig, Cow, Horse, Dog, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH1B1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ALDH1B1
Sequence:	GFFIKPTVFG GVQDDMRIAK EEIFGPVQPL FKFKKIEEVV ERANNNTRYGL
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 85%, Horse: 79%, Human: 100%, Mouse: 86%, Pig: 86%, Rat: 91%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against ALDH1B1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ALDH1B1
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Target Details

Alternative Name:	ALDH1B1 (ALDH1B1 Products)
Background:	<p>ALDH1B1 belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems. This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems.</p> <p>Alias Symbols: ALDH5, ALDHX, MGC2230</p> <p>Protein Interaction Partner: UBC, TATDN1, OGFOD1, UBR7, PDCD10, HEXB, FH, EXOSC10, XRN2, FN1, FABP2, ECT2, UQCRB, FBXO6, CUL3, MYC,</p> <p>Protein Size: 517</p>
Molecular Weight:	57 kDa
Gene ID:	219
NCBI Accession:	NM_000692 , NP_000683
UniProt:	P30837

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 517 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ALDH1B1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Hela cell lysate

Western Blotting

Image 2. WB Suggested Anti-ALDH1B1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: Hela cell lysate

ALDH1B1 is supported by BioGPS gene expression data to be expressed in HeLa