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## Datasheet for ABIN6259881 anti-ALDH4A1 antibody (C-Term)

2 Images



#### Overview

Quantity:	100 µL
Target:	ALDH4A1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH4A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	A synthesized peptide derived from human ALDH4A1, corresponding to a region within C- terminal amino acids.
lsotype:	lgG
Specificity:	ALDH4A1 Antibody detects endogenous levels of total ALDH4A1.
Predicted Reactivity:	Zebrafish,Bovine,Horse,Sheep,Rabbit,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

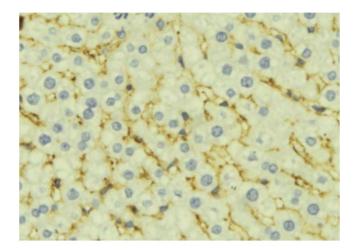
Target:

ALDH4A1

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Target Details	
Alternative Name:	ALDH4A1 (ALDH4A1 Products)
Background:	Description: Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes. Gene: ALDH4A1
Molecular Weight:	62kDa
Gene ID:	8659
UniProt:	P30038
Pathways:	Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	glycerol. Sodium azide
Preservative: Precaution of Use:	
	Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
Precaution of Use:	Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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#### Immunohistochemistry

**Image 1.** ABIN6277303 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at  $22_i$ aC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

### Western Blotting

**Image 2.** Western blot analysis of Hepg2 whole cell lysates, using ALDH4A1 Antibody. The lane on the left is treated with the antigen-specific peptide.

