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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 TM Coupling Resin (Thermo Fisher Scientific).

Target Details

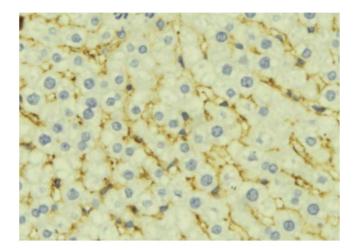
Target:

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.

