

Datasheet for ABIN2798712 **anti-ALDH6A1 antibody (C-Term)**



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Overview

Quantity:	400 µL
Target:	ALDH6A1
Binding Specificity:	AA 367-396, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH6A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit Anti-Human ALDH6A1 (C-term) Antibody
Immunogen:	This ALDH6A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 367-396 amino acids from the C-terminal region of human ALDH6A1.
Isotype:	Ig Fraction

Target Details

Target:	ALDH6A1
Alternative Name:	ALDH6A1 (ALDH6A1 Products)
Background:	Target Description: ALDH6A1 belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. This protein is a mitochondrial methylmalonate semialdehyde dehydrogenase, and catalyzes the irreversible

Target Details

oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.

Gene Symbol: ALDH6A1

Molecular Weight:	57840 Da
Gene ID:	4329
UniProt:	Q02252
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	Immunohistochemistry, Western Blot Recommended Dilutions IHC: 1:10-50, WB: 1:1000Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with *ALDH6A1 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.Western blot analysis of ALDH6A1 (arrow) using rabbit polyclonal ALDH6A1 Antibody (C-term) (RB11957). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ALDH6A1 gene (Lane 2) (Origene Technologies).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C
Storage Comment:	2-8°C (short-term), -20°C (long-term)