antibodies

Datasheet for ABIN2855626 anti-ALDH6A1 antibody

4 Images



Overview

Quantity:	100 μL
Target:	ALDH6A1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH6A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human ALDH6A1.
	The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to ALDH6A1 (aldehyde dehydrogenase 6 family, member A1)
	ALDH6A1 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	ALDH6A1
Alternative Name:	aldehyde dehydrogenase 6 family member A1 (ALDH6A1 Products)

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Target Details Background: This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methylmalonate semialdehyde dehydrogenase, catalyzes the irreversible 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.

Cellular Localization: Mitochondrion

Molecular Weight:	58 kDa
Gene ID:	4329
UniProt:	Q02252
Pathways:	Brown Fat Cell Differentiation

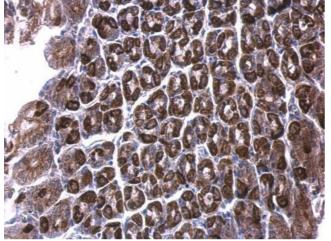
Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined
	by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse liver , HepG2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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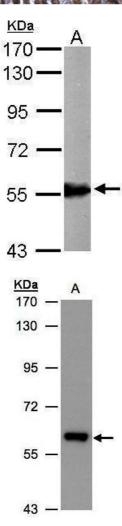


Immunohistochemistry

Image 1. IHC-P Image ALDH6A1 antibody detects ALDH6A1 protein at cytosol on mouse stomach by immunohistochemical analysis. Sample: Paraffin-embedded mouse stomach. ALDH6A1 antibody , dilution: 1:500.

Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse liver 7.5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Sample(30 ug whole cell lysate) A:Hep G2, 7.5% SDS PAGE antibody diluted at 1:500

Please check the product details page for more images. Overall 4 images are available for ABIN2855626.

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