

Datasheet for ABIN7384179 **anti-ALDH6A1 antibody**



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Overview

Quantity:	60 µL
Target:	ALDH6A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human ALDH6A1 (NP_005580.1).
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	ALDH6A1
Alternative Name:	ALDH6A1 (ALDH6A1 Products)
Background:	ALDH6A1,MMSADHA,MMSDH,This gene encodes a member of the aldehyde dehydrogenase protein family. The encoded protein is a mitochondrial methylmalonate semialdehyde dehydrogenase that plays a role in the valine and pyrimidine catabolic pathways. This protein 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

Target Details

	of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. Alternate splicing results in multiple transcript variants.
Gene ID:	4329
UniProt:	Q02252
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	IF 1:50-1:200
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.