Datasheet for ABIN7265543

anti-ALDH6A1 antibody (AA 326-535)

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Overview

Quantity:	100 µL
Target:	ALDH6A1
Binding Specificity:	AA 326-535
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH6A1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	ALDH6A1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 326-535 of human ALDH6A1 (NP_005580.1).
Sequence:	VGEAKKWLPE LVEHAKNLRV NAGDQPGADL GPLITPQAKE RVCNLIDSGT KEGASILLDG RKIKVKGYEN GNFVGPTIIS NVKPNMTCYK EEIFGPVLVV LETETLDEAI QIVNNNPYGN GTAIFTTNGA TARKYAHLVD VGQVGVNVPI PVPLPMFSFT GSRSSFRGDT NFYGKQGIQF YTQLKTITSQ WKEEDATLSS PAVVMPTMGR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification:	Affinity purification

Target Details

Target:	ALDH6A1
Alternative Name:	ALDH6A1 (ALDH6A1 Products)
Background:	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 of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. Alternate splicing results in multiple transcript variants.,ALDH6A1,MMSADHA,MMSDH,Epigenetics & Nuclear Signaling,RNA Binding,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,ALDH6A1
Molecular Weight:	56kDa/57kDa
Gene ID:	4329
UniProt:	Q02252
Pathways:	Brown Fat Cell Differentiation

Application Details

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

Handling

Format:	Liquid
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

Handling

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.