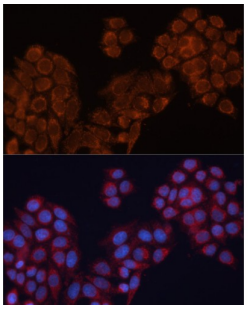
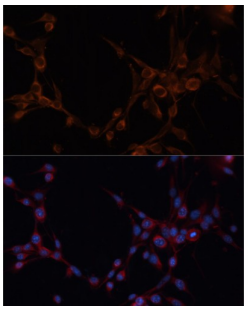
Methylmalonate-Semialdehyde Dehydrogenase [acylating], Mitochondrial (ALDH6A1) Antibody

Catalogue No.:abx002356



Immunofluorescence analysis of HeLa cells using ALDH6A1 Antibody (1/100 dilution). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using ALDH6A1 Antibody (1/100 dilution). Blue: DAPI for nuclear staining.

ALDH6A1 Antibody is a Rabbit Polyclonal antibody against ALDH6A1. 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.

Target:	Methylmalonate-Semialdehyde Dehydrogenase [acylating], Mitochondrial (ALDH6A1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IF/ICC
Host:	Rabbit
Recommended dilutions:	IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human ALDH6A1

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q02252 (UniProt, ExPASy)
Gene Symbol:	ALDH6A1
GeneID:	4329
NCBI Accession:	NP_005580.1
KEGG:	hsa:4329
String:	9606.ENSP00000450436
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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