

## ARG40438 anti-ALDH6A1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ALDH6A1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALDH6A1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 326-535 of Human ALDH6A1 (NP_005580.1).
Conjugation	Un-conjugated
Alternate Names	MMSDH; Malonate-semialdehyde dehydrogenase [acylating]; Aldehyde dehydrogenase family 6 member A1; Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial; EC 1.2.1.18; EC 1.2.1.27; MMSADHA

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	22Rv1	
Observed Size	58 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

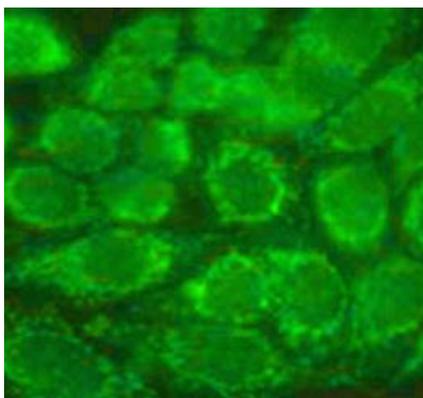
## Bioinformation

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Gene Symbol	ALDH6A1
Gene Full Name	aldehyde dehydrogenase 6 family, member A1
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. [provided by RefSeq, Jun 2013]
Function	Plays a role in valine and pyrimidine metabolism. Binds fatty acyl-CoA. [UniProt]
Calculated Mw	58 kDa
Cellular Localization	Mitochondrion. [UniProt]

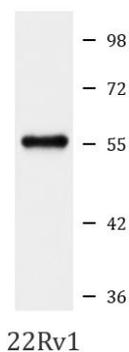
## Images

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ARG40438 anti-ALDH6A1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG40438 anti-ALDH6A1 antibody at 1:100 dilution.



ARG40438 anti-ALDH6A1 antibody WB image

Western blot: 25 µg of 22Rv1 cell lysate stained with ARG40438 anti-ALDH6A1 antibody at 1:1000 dilution.