

# ALDH6A1 Antibody (F54378)

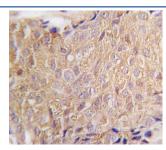
Catalog No.	Formulation	Size
F54378-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54378-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

# **Bulk quote request**

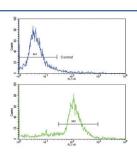
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q02252
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1:25 Western Blot: 1:500-1:2000 Flow Cytometry: 1:25 (1x10e6 cells)
Limitations	This ALDH6A1 antibody is available for research use only.

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kDa 95 - 72 - 55 - ●	Western blot testing of human liver lysate with ALDH6A1 antibody. Predicted molecular weight: ~58 kDa.
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IHC testing of FFPE human breast carcinoma tissue with ALDH6A1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized mouse ATDC5 cells with ALDH6A1 antibody; Blue=isotype control, Green= ALDH6A1 antibody.

## **Description**

ALDH6A1 belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. This protein is a mitochondrial methylmalonate semialdehyde dehydrogenase, and 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.

# **Application Notes**

The stated application concentrations are suggested starting points. Titration of the ALDH6A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

#### **Immunogen**

A portion of amino acids 30-59 from the human protein was used as the immunogen for the ALDH6A1 antibody.

### **Storage**

Aliquot the ALDH6A1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.