

Product datasheet

Anti-ALDH6A1 antibody ab89629

2 Images

Overview

Product name	Anti-ALDH6A1 antibody
Description	Mouse polyclonal to ALDH6A1
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length Human ALDH6A1 (NP_005580.1)
Positive control	Human liver tissue lysate and ALDH6A1 transfected 293T cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab89629** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 58 kDa.

Target

Function	Plays a role in valine and pyrimidine metabolism. Binds fatty acyl-CoA.
-----------------	-------------------------------------------------------------------------

Involvement in disease

Defects in ALDH6A1 are the cause of methylmalonate semialdehyde dehydrogenase deficiency (MMSDH deficiency) [MIM:603178]. This is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids.

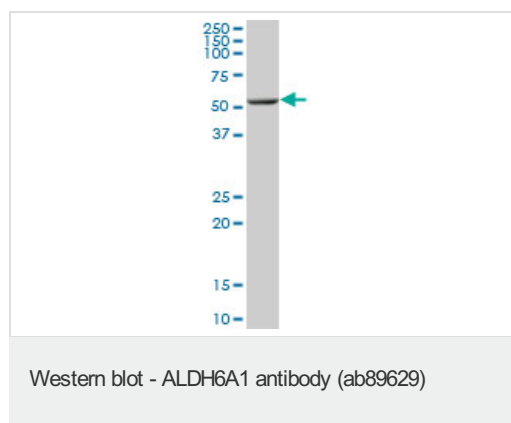
Sequence similarities

Belongs to the aldehyde dehydrogenase family.

Cellular localization

Mitochondrion.

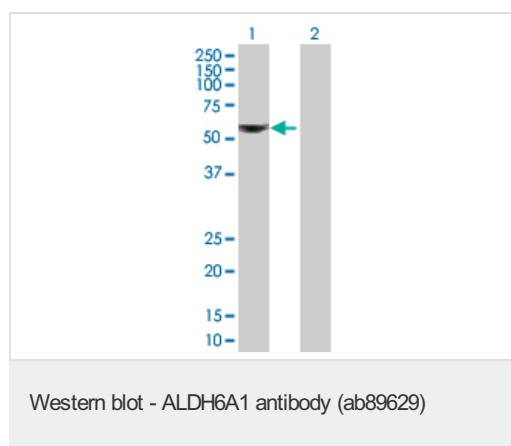
Images



Anti-ALDH6A1 antibody (ab89629) at 1 μ g/ml
+ Human liver tissue lysate at 50 μ g

Predicted band size : 58 kDa

Observed band size : 52 kDa



All lanes : Anti-ALDH6A1 antibody
(ab89629) at 1 μ g/ml

Lane 1 : ALDH6A1 transfected 293T cell
lysate

Lane 2 : Non transfected 293T cell lysate

Lysates/proteins at 25 μ g per lane.

Predicted band size : 58 kDa

Observed band size : 58 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors