

Product datasheet

Anti-ALDH6A1 antibody ab89629

2 Images

Overview

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

Properties

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

Applications

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

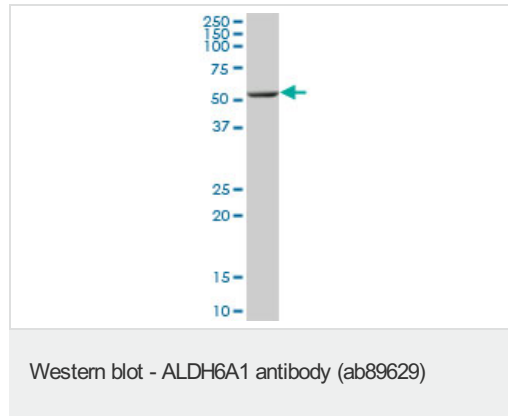
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

<b>Function</b>	Plays a role in valine and pyrimidine metabolism. Binds fatty acyl-CoA.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the aldehyde dehydrogenase family.
<b>Cellular localization</b>	Mitochondrion.

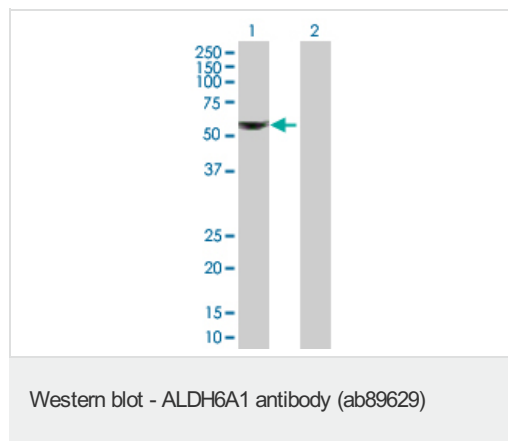
## Images



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

**Predicted band size:** 58 kDa

**Observed band size:** 52 kDa



**All lanes :** Anti-ALDH6A1 antibody (ab89629) at 1 µg/ml

**Lane 1 :** ALDH6A1 transfected 293T cell lysate

**Lane 2 :** Non transfected 293T cell lysate

Lysates/proteins at 25 µg 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"

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