

## Product datasheet

# Anti-ALDH1A1 antibody ab89431

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### Overview

<b>Product name</b>	Anti-ALDH1A1 antibody
<b>Description</b>	Mouse polyclonal to ALDH1A1
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length human ALDH1A1 protein (NP_000680.2).
<b>Positive control</b>	Human liver lysate; ALDH1A1 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 **ab89431** 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: 55 kDa.

### Target

<b>Function</b>	Binds free retinal and cellular retinol-binding protein-bound retinal. Can convert/oxidize
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retinaldehyde to retinoic acid.

**Pathway**

Cofactor metabolism; retinol metabolism.

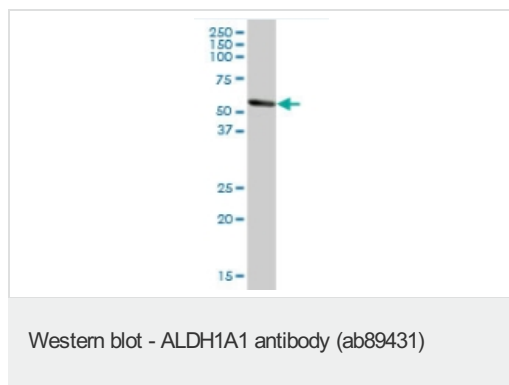
**Sequence similarities**

Belongs to the aldehyde dehydrogenase family.

**Cellular localization**

Cytoplasm.

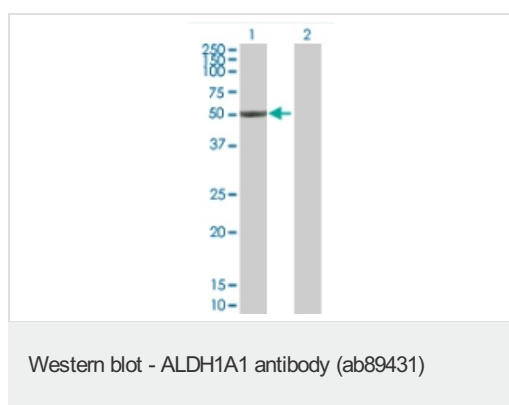
**Images**



Anti-ALDH1A1 antibody (ab89431) at 1 µg/ml  
+ human liver lysate at 50 µg

**Predicted band size** : 55 kDa

**Observed band size** : 55 kDa



**All lanes** : Anti-ALDH1A1 antibody  
(ab89431) at 1 µg/ml

**Lane 1** : ALDH1A1 transfected 293T cell  
lysate

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

Lysates/proteins at 25 µg per lane.

**Predicted band size** : 55 kDa

**Observed band size** : 50 kDa

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

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