





## Product datasheet

### Anti-ALDH1A1 antibody ab9883

★★★★☆ [4 Abreviews](#) [20 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-ALDH1A1 antibody
<b>Description</b>	Goat polyclonal to ALDH1A1
<b>Host species</b>	Goat
<b>Specificity</b>	This antibody may cross-react with ALDH1A2 (GeneID 8854) with one residue difference from this design, and with ALDH2 (GeneID 217) with two residues difference from this design. Please note that ALDH1A2 is known to be alternatively spliced under some conditions (37kDa).
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Cow 
<b>Immunogen</b>	Synthetic peptide: EVKTVTVKISQKNS, corresponding to C terminal amino acids 488-501 of Human Aldehyde Dehydrogenase 1.  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> 
<b>General notes</b>	

A protease inhibitor that inhibits fibrin clot formation.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 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>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA

<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Primary antibody notes</b>	A protease inhibitor that inhibits fibrin clot formation.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab9883 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

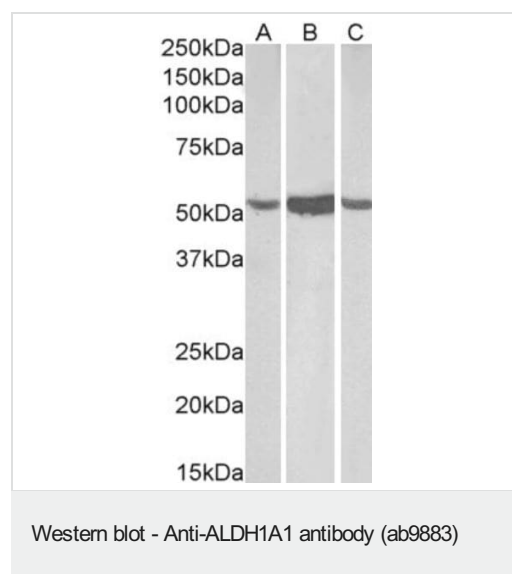
Application	Abreviews	Notes
<b>WB</b>	★★★★★ (2)	Use a concentration of 0.3 - 1 µg/ml. Predicted molecular weight: 55 kDa. 1 hour primary incubation is recommended for this product.

**Application notes** Is unsuitable for ICC.

## Target

<b>Function</b>	Binds free retinal and cellular retinol-binding protein-bound retinal. Can convert/oxidize retinaldehyde to retinoic acid.
<b>Pathway</b>	Cofactor metabolism; retinol metabolism.
<b>Sequence similarities</b>	Belongs to the aldehyde dehydrogenase family.
<b>Cellular localization</b>	Cytoplasm.

## Images



**All lanes :** Anti-ALDH1A1 antibody (ab9883) at 0.3 µg/ml

**Lane 1 :** Human liver lysate (protein in RIPA buffer)

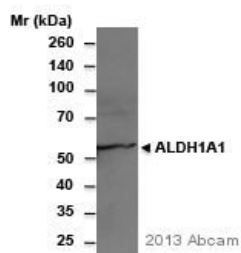
**Lane 2 :** Rat liver lysate (protein in RIPA buffer)

**Lane 3 :** Mouse liver lysate (protein in RIPA buffer)

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 55 kDa

Detected by chemiluminescence.



Western blot - Anti-ALDH1A1 antibody (ab9883)

This image is courtesy of an anonymous Abreview

Anti-ALDH1A1 antibody (ab9883) at 1/500 dilution + MDBK cell lysate at 100 µg

### Secondary

HRP-conjugated Donkey anti-goat IgG

**Predicted band size:** 55 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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