



Product datasheet

Anti-ALDH3A1 antibody ab103895

[1 References](#) [1 Image](#)

Overview

Product name	Anti-ALDH3A1 antibody
Description	Goat polyclonal to ALDH3A1
Host species	Goat
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide: RYPSPAKMTQH by a Cysteine residue linker, corresponding to C terminal amino acids 442-453 of Human ALDH3A1 (NP_000682.3)  Run BLAST with  Run BLAST with
Positive control	Mouse Eye Lysate
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab103895 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
IHC-P		Use a concentration of 3 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.01 - 0.03 µg/ml. Predicted molecular weight: 50 kDa. 1 hour primary incubation is recommended for this product.

Target

Function

ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.

Tissue specificity

High levels in stomach, esophagus and lung; low level in the liver and kidney.

Sequence similarities

Belongs to the aldehyde dehydrogenase family.

Cellular localization

Cytoplasm.

Images



Anti-ALDH3A1 antibody (ab103895) at 0.01 µg/ml + Mouse Eye
Lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 50 kDa

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

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