abcam

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:

RYPPSPAKMTQH

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

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

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

1

Isotype IgG

Applications

The Abpromise guarantee

Our <u>Abpromise guarantee</u> 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 μ g/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

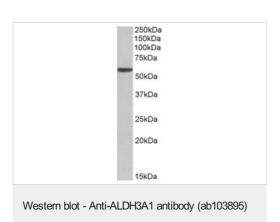
oxidation of toxic aldehydes.

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

Sequence similaritiesBelongs to the aldehyde dehydrogenase family.

Cellular localization Cytoplasm.

Images



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

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"

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 https://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