

Product datasheet

Anti-ALDH3A1 antibody [EPR7405] - BSA and Azide free ab248209

Recombinant RabMAb

3 Images

Overview

Product name	Anti-ALDH3A1 antibody [EPR7405] - BSA and Azide free
Description	Rabbit monoclonal [EPR7405] to ALDH3A1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248209 is the carrier-free version of ab128902.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p>

these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7405
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248209 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

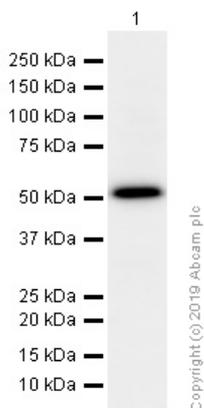
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).

Application notes Is unsuitable for Flow Cyt or ICC/IF.

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



Western blot - Anti-ALDH3A1 antibody [EPR7405] - BSA and Azide free (ab248209)

Anti-ALDH3A1 antibody [EPR7405] ([ab128902](#)) at 1/5000 dilution (Purified) + A549 (Human lung carcinoma epithelial cell) whole cell lysate at 15 μ g

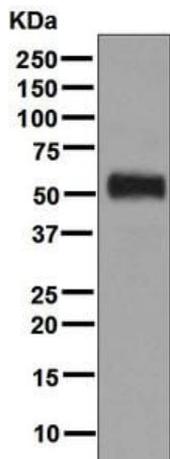
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

This data was developed using [ab128902](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-ALDH3A1 antibody [EPR7405] - BSA and Azide free (ab248209)

Anti-ALDH3A1 antibody [EPR7405] ([ab128902](#)) at 1/1000 dilution (unpurified) + A549 cell lysate at 10 μ g

Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 50 kDa

This data was developed using [ab128902](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ALDH3A1 antibody [EPR7405] - BSA and Azide free (ab248209)

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

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