

Product datasheet

Anti-ALDH3A1 antibody [EPR7406] ab129022

Recombinant RabMAb

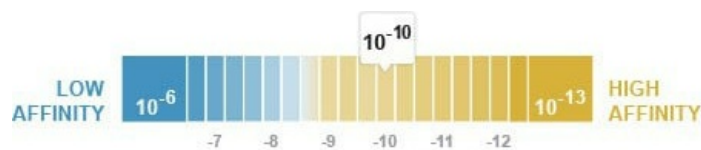
[5 References](#) [3 Images](#)

Overview

Product name	Anti-ALDH3A1 antibody [EPR7406]
Description	Rabbit monoclonal [EPR7406] to ALDH3A1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	A549, Mouse eyeball and Rat eyeball lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K _D)	K _D = 9.00 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture
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	supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7406
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129022 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

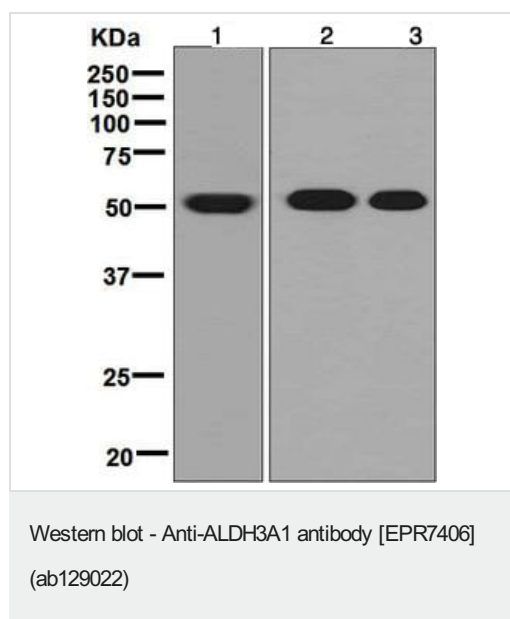
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

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



All lanes : Anti-ALDH3A1 antibody [EPR7406] (ab129022) at 1/1000 dilution

Lane 1 : A549 cell lysates

Lane 2 : Mouse eyeball lysates

Lane 3 : Rat eyeball lysates

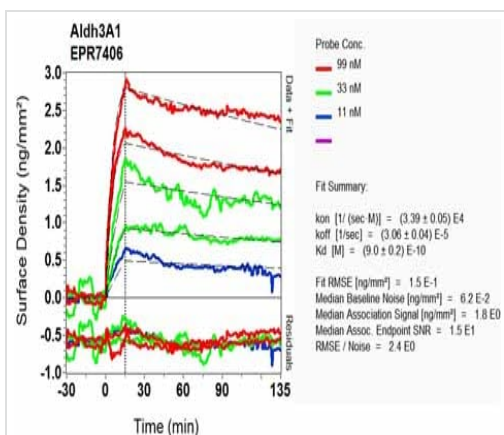
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-abbit at 1/2000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa



SPR Scanning - Anti-ALDH3A1 antibody

[EPR7406] (ab129022)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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 [EPR7406] (ab129022)

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

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