

Product datasheet

Anti-ALDH3A1 antibody [SP298] - C-terminal ab227694

Recombinant RabMAb

[11 Images](#)

Overview

Product name	Anti-ALDH3A1 antibody [SP298] - C-terminal
Description	Rabbit monoclonal [SP298] to ALDH3A1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A549 cell lysate. IHC-P: Human bladder, esophagus, skin, cervix, tonsil, stomach, stomach adenocarcinoma, lung squamous cell carcinoma and cervical squamous cell carcinoma tissues.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP298
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab227694 in the following tested applications.

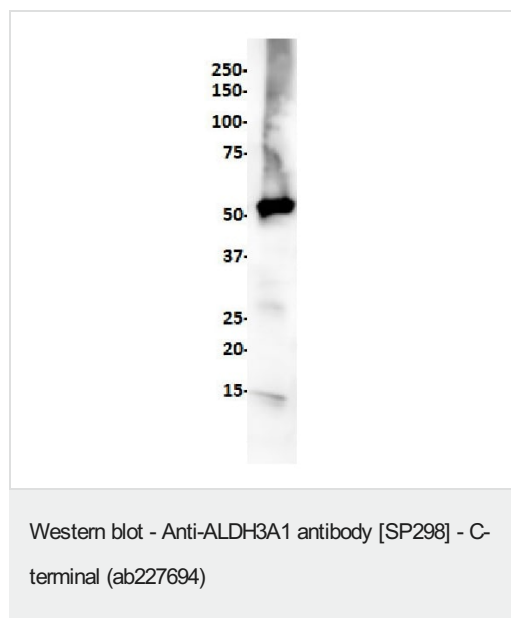
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/400. Predicted molecular weight: 50 kDa.
IHC-P		1/100. Boil tissue section in citrate buffer pH 6.0 for 10 minutes followed by cooling at room temperature for 20 minutes. Incubate with primary antibody for 10 minutes at room temperature.

Target

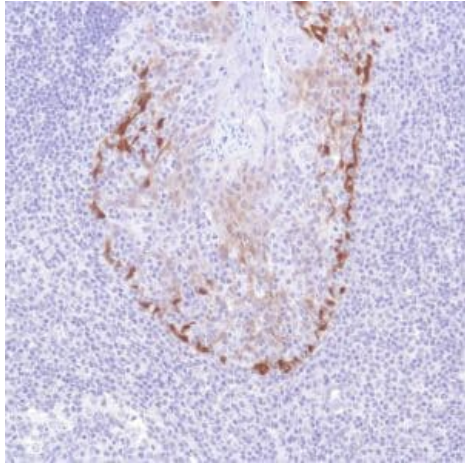
Function	ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation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



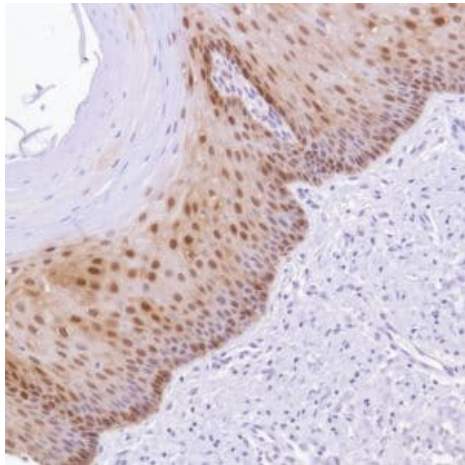
Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694) at 1/400 dilution + A549 (human lung carcinoma cell line) cell lysate

Predicted band size: 50 kDa



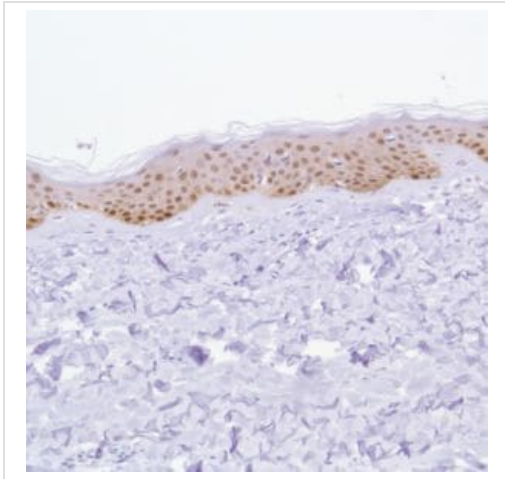
Formalin-fixed, paraffin-embedded human tonsil tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



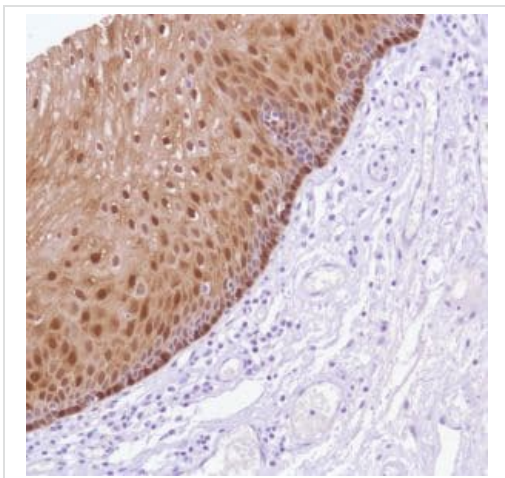
Formalin-fixed, paraffin-embedded human cervix tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



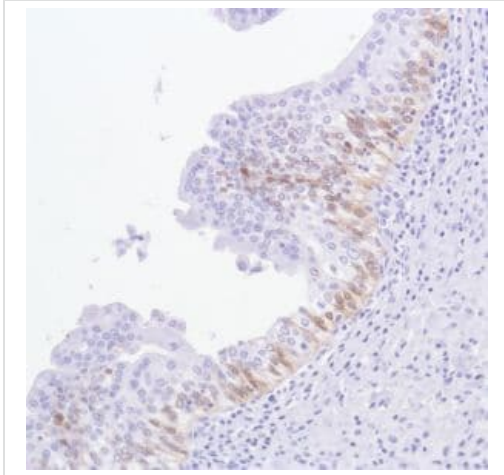
Formalin-fixed, paraffin-embedded human skin tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



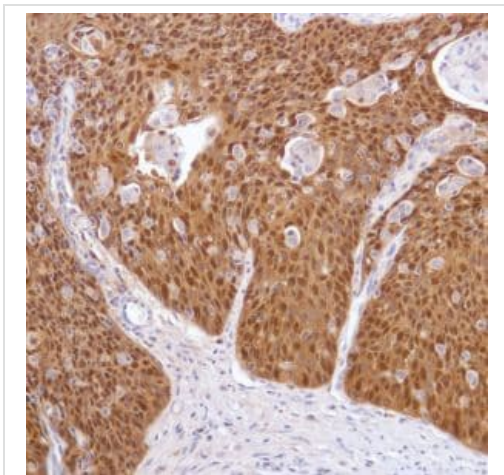
Formalin-fixed, paraffin-embedded human esophagus tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



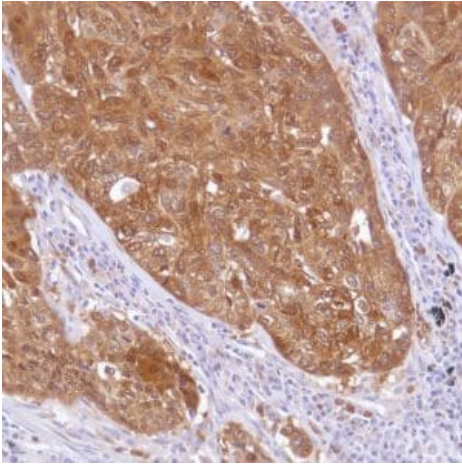
Formalin-fixed, paraffin-embedded human bladder tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



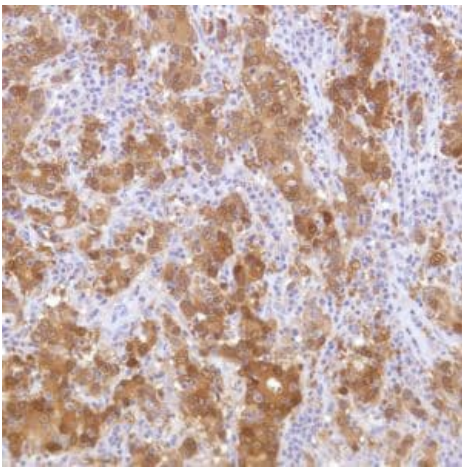
Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



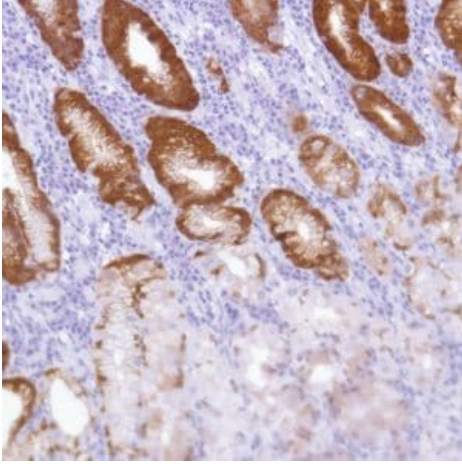
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)



Formalin-fixed, paraffin-embedded human stomach tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)

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

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