

## Product datasheet

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

Recombinant **RabMAb**

[11 Images](#)

#### Overview

<b>Product name</b>	Anti-ALDH3A1 antibody [SP298] - C-terminal
<b>Description</b>	Rabbit monoclonal [SP298] to ALDH3A1 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	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.
<b>General notes</b>	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP298
<b>Isotype</b>	IgG

#### Applications

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

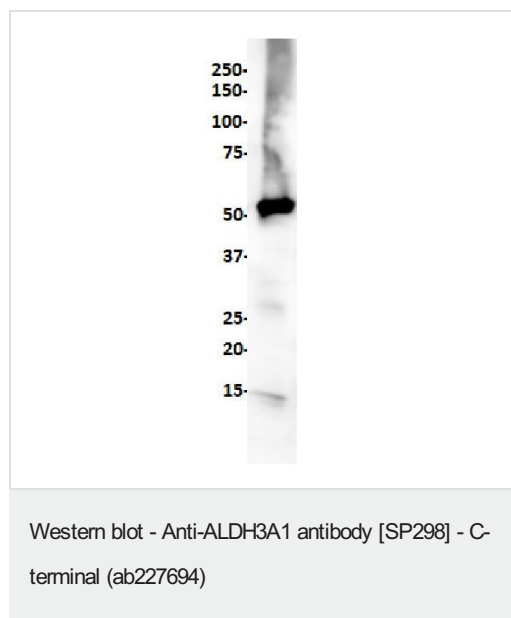
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

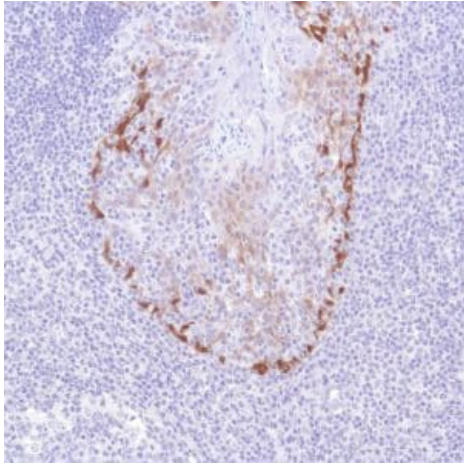
<b>Function</b>	ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.
<b>Tissue specificity</b>	High levels in stomach, esophagus and lung; low level in the liver and kidney.
<b>Sequence similarities</b>	Belongs to the aldehyde dehydrogenase family.
<b>Cellular localization</b>	Cytoplasm.

## Images



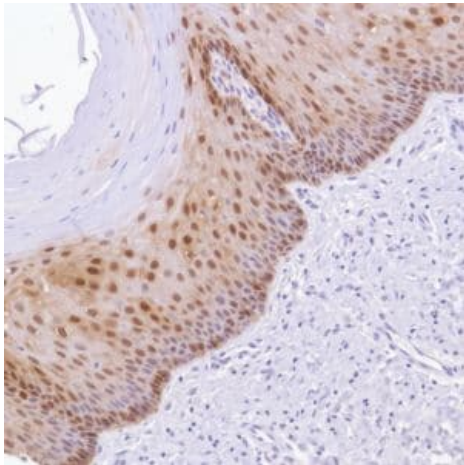
Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694) at 1/400 dilution + A549 (human lung carcinoma cell line) cell lysate

**Predicted band size:** 50 kDa



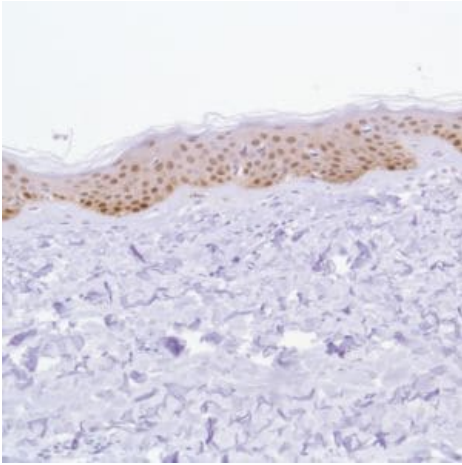
Formalin-fixed, paraffin-embedded human tonsil tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

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



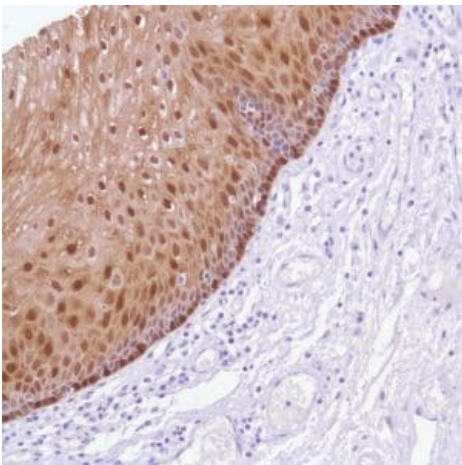
Formalin-fixed, paraffin-embedded human cervix tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

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



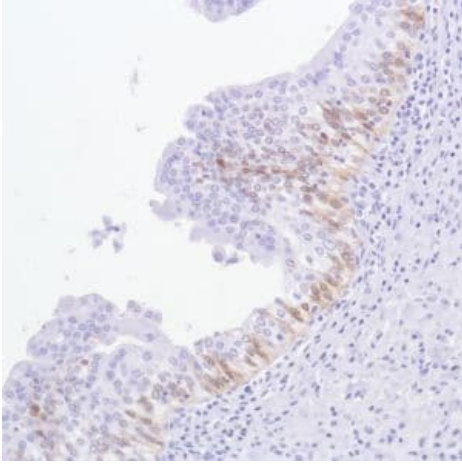
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)

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



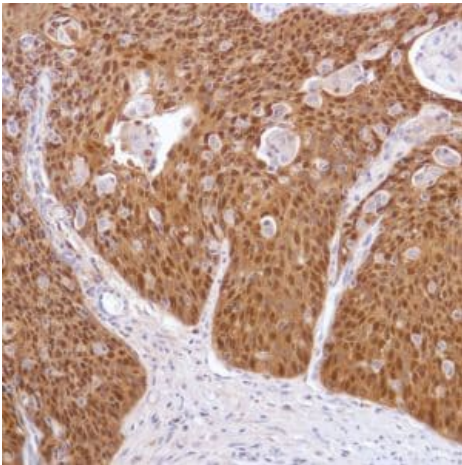
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALDH3A1 antibody [SP298] - C-terminal (ab227694)

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



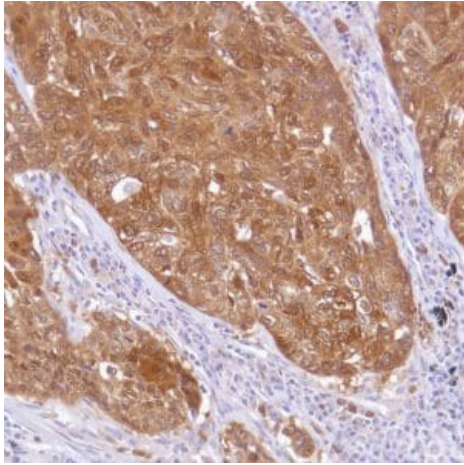
Formalin-fixed, paraffin-embedded human bladder tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

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



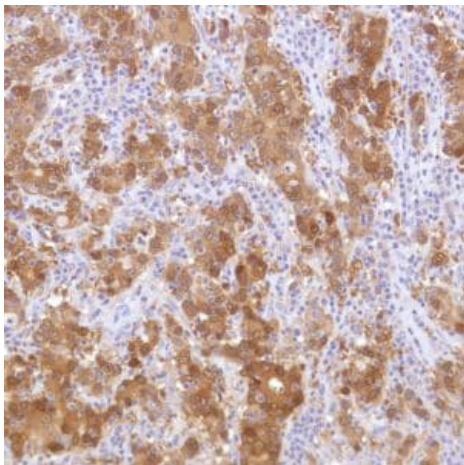
Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.

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



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

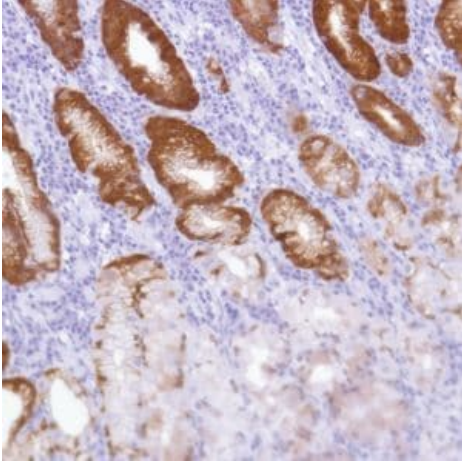
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for ALDH3A1 using ab227694 at 1/100 dilution in immunohistochemical analysis.



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.





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?



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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