

**ALDH3A1 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS15788**

**Specification**

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**ALDH3A1 Antibody (C-Terminus) - Product Information**

Application	<b>IHC, WB</b>
Primary Accession	<a href="#">P30838</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>50kDa KDa</b>

**ALDH3A1 Antibody (C-Terminus) - Additional Information**

**Gene ID** 218

**Other Names**

Aldehyde dehydrogenase, dimeric NADP-preferring, 1.2.1.5, ALDHIII, Aldehyde dehydrogenase 3, Aldehyde dehydrogenase family 3 member A1, ALDH3A1, ALDH3

**Target/Specificity**

Human ALDH3A1. Reported variants represent identical protein: NP\_001128639.1, NP\_000682.3, NP\_001128640.1

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

ALDH3A1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**ALDH3A1 Antibody (C-Terminus) - Protein Information**

**Name** ALDH3A1

**Synonyms** ALDH3

**Function**

ALDHs play a major role in the detoxification of alcohol- derived acetaldehyde (Probable). They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation (Probable). Oxidizes medium and long chain aldehydes into non-toxic fatty acids (PubMed:<a href="http://www.uniprot.org/citations/1737758" target="\_blank">1737758</a>). Preferentially oxidizes aromatic aldehyde substrates (PubMed:<a href="http://www.uniprot.org/citations/1737758" target="\_blank">1737758</a>). Comprises about 50 percent of corneal epithelial soluble proteins (By similarity). May play a role in preventing corneal damage caused by ultraviolet light (By similarity).

### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P47739}.

### Tissue Location

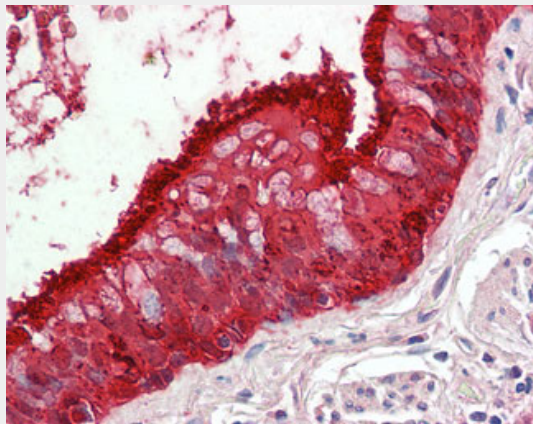
High levels in stomach, esophagus and lung; low level in the liver and kidney

### ALDH3A1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ALDH3A1 Antibody (C-Terminus) - Images



Anti-ALDH3A1 antibody IHC staining of human lung, respiratory epithelium.



ALDH3A1 antibody (0.01 ug/ml) staining of Mouse Eye lysate (35 ug protein/ml in RIPA buffer).

### ALDH3A1 Antibody (C-Terminus) - Background

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.

#### **ALDH3A1 Antibody (C-Terminus) - References**

Schuuring E.M.D., et al. Submitted (AUG-1991) to the EMBL/GenBank/DDBJ databases.  
Hsu L.C., et al. J. Biol. Chem. 267:3030-3037(1992).  
Hsu L.C., et al. Adv. Exp. Med. Biol. 328:141-152(1993).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).