

ALDH3A1 Polyclonal Antibody
Catalog # AP73208**Specification**

ALDH3A1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P30838
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal

ALDH3A1 Polyclonal Antibody - Additional Information**Gene ID** 218**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ALDH3A1 Polyclonal Antibody - 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:1737758). Preferentially oxidizes aromatic aldehyde substrates (PubMed:1737758). 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

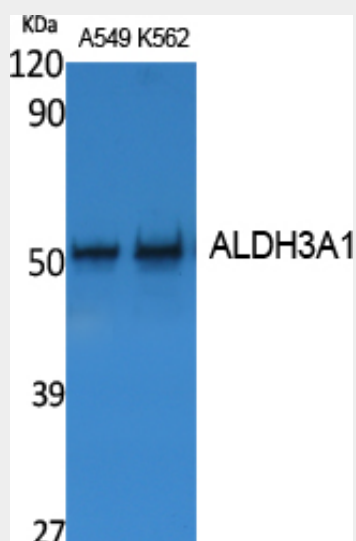
High levels in stomach, esophagus and lung; low level in the liver and kidney

ALDH3A1 Polyclonal Antibody - 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 Polyclonal Antibody - Images



Western Blot analysis of extracts from A549, K562 cells, using ALDH3A1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

ALDH3A1 Polyclonal Antibody - Background

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:1737758). Preferentially oxidizes aromatic aldehyde substrates (PubMed:1737758). 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).