



ALDH3A1 Polyclonal Antibody

Catalog No	BYab-02847
Isotype	IgG
Reactivity	Human;Rat
Applications	WB;ELISA
Gene Name	ALDH3A1
Protein Name	Aldehyde dehydrogenase dimeric NADP-preferring
Immunogen	The antiserum was produced against synthesized peptide derived from human ALDH3A1. AA range:236-285
Specificity	ALDH3A1 Polyclonal Antibody detects endogenous levels of ALDH3A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALDH3A1; ALDH3; Aldehyde dehydrogenase, dimeric NADP-preferring; ALDHIII; Aldehyde dehydrogenase 3; Aldehyde dehydrogenase family 3 member A1
Observed Band	50kD
Cell Pathway	Cytoplasm .
Tissue Specificity	High levels in stomach, esophagus and lung; low level in the liver and kidney.
Function	catalytic activity:An aldehyde + NAD(P)(+) + H(2)O = an acid + NAD(P)H.,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.,similarity:Belongs to the aldehyde dehydrogenase family.,subunit:Homodimer.,tissue specificity:High levels in stomach, esophagus and lung; low level in the liver and kidney.,

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**Background**

Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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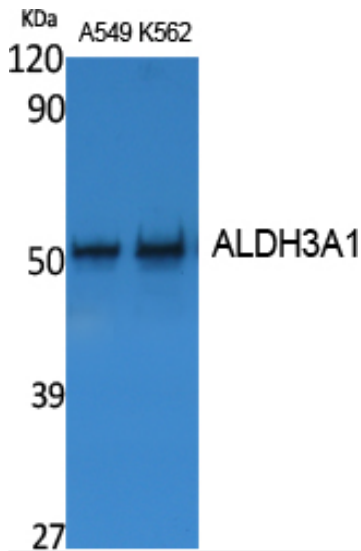
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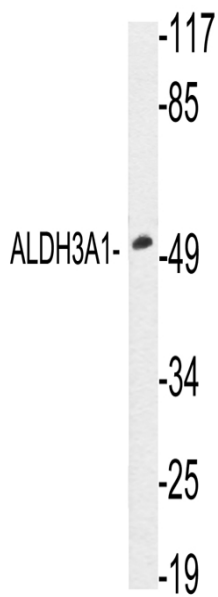
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Products Images



Western blot analysis of extracts from A549, K562 cells, using ALDH3A1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from A549 cells, using ALDH3A1 antibody.