

# **ALDH3A1 Polyclonal Antibody**

### Description

Product type Primary Antibody

Code BT-AP00362

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human ALDH3A1. AA range:236-

285

Mol wt 50379

Species reactivity Human, Rat

**Clonality** Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name ALDH3A1 Antibody

Synonyms ALDH3A1; ALDH3; Aldehyde dehydrogenase, dimeric NADP-preferring; ALDHIII; Aldehyde

dehydrogenase 3; Aldehyde dehydrogenase family 3 member A1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

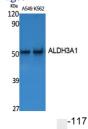
Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic 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. ALDH3A1 is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified.

#### Recommended Dilution

WB: 1: 500 - 1: 2000 ELISA: 1: 20000

Not yet tested in other applications.





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-34 -25 -19 Western Blot analysis of extracts from A549, K562 cells, using ALDH3A1 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

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

## Storage

-20°C for one year

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