

Datasheet for ABIN5696916 **anti-ALDH3A1 antibody**

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Overview

Quantity:	100 µg
Target:	ALDH3A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH3A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	aldehyde dehydrogenase 3 family, memberA1
Isotype:	IgG

Target Details

Target:	ALDH3A1
Alternative Name:	ALDH3A1 (ALDH3A1 Products)
Background:	Synonyms:Aldehyde dehydrogenase 3, ALDH3, ALDH3A1, ALDHIII 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

Target Details

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.

Molecular Weight: 50kDa

Gene ID: 218

UniProt: [P30838](#)

Application Details

Application Notes: WB :1:1000-1:10000,IF:1:10-1:100,IP:1:500-1:5000

Comment: HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab00292(ALDH3A1 antibody) at dilution of 1:2000

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months