

Datasheet for ABIN2788192
anti-ALDH3A1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ALDH3A1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH3A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ALDH3A1
Sequence:	DLHKNEWNAY YEEVVYVLEE IEYMIQKLPE WAADEPVEKT PQTQQDELYI
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against ALDH3A1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ALDH3A1
Alternative Name:	ALDH3A1 (ALDH3A1 Products)

Target Details

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. Alias Symbols: ALDH3, ALDHIII, MGC10406 Protein Interaction Partner: WWOX, CYHR1, SRF, POT1, ALDH3A1, Protein Size: 453
-------------	--

Molecular Weight:	50 kDa
-------------------	--------

Gene ID:	218
----------	-----

NCBI Accession:	NM_000691 , NP_000682
-----------------	---

UniProt:	P30838
----------	------------------------

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
--------------------	--

Comment:	Antigen size: 453 AA
----------	----------------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	Lot specific
----------------	--------------

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

Preservative:	Sodium azide
---------------	--------------

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

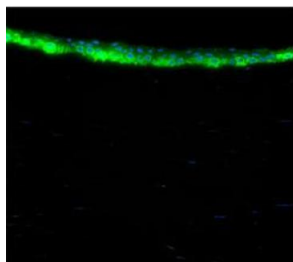
Handling Advice:	Avoid repeated freeze-thaw cycles.
------------------	------------------------------------

Storage:	-20 °C
----------	--------

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



ALDH3A1 (ARP59748_P050)

Immunohistochemistry
Sample: Human Cornea
Dilution: 1:200

Application data in forum

Submitted by:
Dr. Geraint Parfitt, Yilu Xie, Prof. James Jester
University of California, Irvine

Immunohistochemistry

Image 1. Sample Type: Human CorneaDilution: 1:200