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## Datasheet for ABIN392316 anti-ALDH1A3 antibody (N-Term)

2 Images

9 Publications



### Overview

Quantity:	400 μL
Target:	ALDH1A3
	ALDITIAS
Binding Specificity:	AA 24-51, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH1A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ALDH1A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-51 amino acids from the N-terminal region of human ALDH1A3.
Clone:	RB16818
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	ALDH1A3
Alternative Name:	ALDH1A3 (ALDH1A3 Products)

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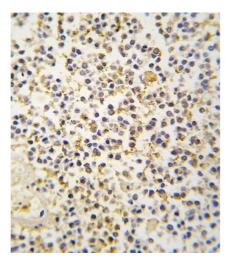
Target Details	
Background:	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The enzyme ALDH1A3 uses retinal as a substrate, either in a free or cellular retinol-binding protein form.
Molecular Weight:	56108
Gene ID:	220
NCBI Accession:	NP_000684
UniProt:	P47895
Pathways:	Retinoic Acid Receptor Signaling Pathway
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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 freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months
Publications	
Product cited in:	Abdelalim, Masuda, Tooyama: "Expression of natriuretic peptide-activated guanylate cyclases by cholinergic and dopaminergic amacrine cells of the rat retina." in: <b>Peptides</b> , Vol. 29, Issue 4,

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN392316 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Dams, Van Acker, Gustin, Vereycken, Bunkens, Holemans, Smeulders, Clayton, Ohagen, Hertogs: "A time-resolved fluorescence assay to identify small-molecule inhibitors of HIV-1 fusion." in: Journal of biomolecular screening, Vol. 12, Issue 6, pp. 865-74, (2007) (PubMed).

Tomescot, Leschik, Bellamy, Dubois, Messas, Bruneval, Desnos, Hagège, Amit, Itskovitz, Menasché, Pucéat: "Differentiation in vivo of cardiac committed human embryonic stem cells in postmyocardial infarcted rats." in: **Stem cells (Dayton, Ohio)**, Vol. 25, Issue 9, pp. 2200-5, (2007) (PubMed).

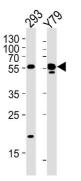
There are more publications referencing this product on: Product page

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human kideny tissue reacted with ALDH1A3 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** ALDH1A3 Antibody (N-term) (ABIN392316 and ABIN2841966) western blot analysis in 293,Y79 cell line lysates (35 µg/lane).This demonstrates the ALDH1A3 antibody detected the ALDH1A3 protein (arrow).

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