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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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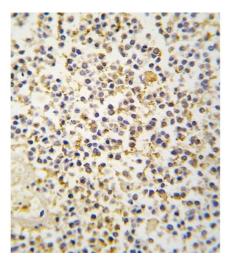
Target Details	
Background:	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The enzyme ALDH1A3 uses retinal as a substrate, either in a free or cellular retinol-binding protein form.
Molecular 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: Peptides , Vol. 29, Issue 4,

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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).

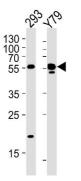
There are more publications referencing this product on: Product page

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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