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ALDH3A1 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)





Go to Product page

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Overview	
Quantity:	20 μg
Target:	ALDH3A1
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH3A1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human ALDH3 (transcript variant 2) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	ALDH3A1
Alternative Name:	Aldh3 (ALDH3A1 Products)
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

Target Details

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.

Molecular Weight:

50.2 kDa

NCBI Accession:

NP_000682

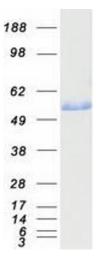
Application Details

Application Notes:	Recombinant human proteins can be used for:	
	Native antigens for optimized antibody production	
	Positive controls in ELISA and other antibody assays	
Comment:	The tag is located at the C-terminal.	
Restrictions:	For Research Use only	

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot