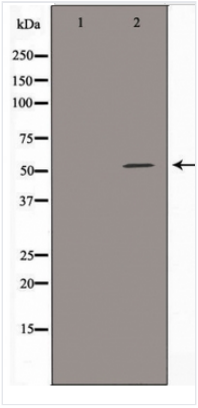
ALDH3B1 Antibody

PRODUCT OVERVIEW

Product Name	ALDH3B1, Antibody
Full Product Name	ALDH3B1 Antibody
Product Gene Name	anti-ALDH3B1 antibody
Product Synonym Names	Aldehyde dehydrogenase 3B1; EC 1.2.1.5; Aldehyde dehydrogenase 7
Species Reactivity	Human
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	ALDH3B1 Antibody detects endogenous levels of total ALDH3B1
Preparation and Storage	Store at-20 degree C. Stable for 12 months from date of receipt.
Molecular Weight	52 KD
OMIM	600466
3D Structure	ModBase 3D Structure for P43353
Immunogen	A synthesized peptide
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ALDH3B1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ALDH3B1 antibody	WB: 1:500-1:1000 IHC: 1:50-1:200
Related Product Information for anti-ALDH3B1 antibody	MBS8514483 is an antibody targeting ALDH3B1. Also known as ALDH3B1 Antibody. Reactive in Human.
Other Notes	Small volumes of anti-ALDH3B1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ALDH3B1 antibody
Western blot analysis of extracts from HuvEc cells, using ALDH3B1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALDH3B1. It may not necessarily be applicable to this product.

NCBI GI #	4502043
NCBI GeneID	221
NCBI Accession #	NP_000685.1
UniProt Primary Accession #	P43353
UniProt Secondary Accession #	Q53XL5; Q8N515; Q96CK8; A3FMP9
UniProt Related Accession #	P43353
GenBank Nucleotide #	NM_000694.3
NCBI Official Full Name	aldehyde dehydrogenase family 3 member B1 isoform a
NCBI Official Synonym Full Names	aldehyde dehydrogenase 3 family member B1
NCBI Official Symbol	ALDH3B1
NCBI Official Synonym Symbols	ALDH4; ALDH7
UniProt Protein Name	Aldehyde dehydrogenase family 3 member B1
UniProt Synonym Protein Names	Aldehyde dehydrogenase 7
Protein Family	Aldehyde dehydrogenase family
UniProt Gene Name	ALDH3B1
UniProt Synonym Gene Names	ALDH7
NCBI Protein Information	aldehyde dehydrogenase family 3 member B1
NCBI Summary for ALDH3B1	This gene encodes a member of the aldehyde dehydrogenase protein family. Aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The encoded protein is able to oxidize long-chain fatty aldehydes in vitro, and may play a role in protection from oxidative stress. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
UniProt Comments for ALDH3B1	Oxidizes medium and long chain saturated and unsaturated aldehydes. Metabolizes also benzaldehyde. Low activity towards acetaldehyde and 3,4-dihydroxyphenylacetaldehyde. May not metabolize short chain aldehydes. May use both NADP+ and NAD+ as cofactors. May have a protective role against the cytotoxicity induced by lipid peroxidation.
Research Articles on ALDH3B1	**1.** the likely physiological function of ALDH3B1 is to oxidize lipid-derived aldehydes generated in the plasma membrane and not to be involved in the sphingolipid metabolism in the endoplasmic reticulum.
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