

Rabbit anti-Human ALDH3B1 Polyclonal Antibody | anti-ALDH3B1 antibody

ALDH3B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324433	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

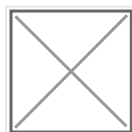
PRODUCT SYNONYMS

ALDH3B1; Polyclonal Antibody; ALDH3B1 Antibody; Aldehyde dehydrogenase 3B1; Aldehyde dehydrogenase 7; Aldehyde dehydrogenase family 3 member B1; ALDH4; ALDH7; FLJ26433; anti-ALDH3B1 antibody

PRODUCT SPECIFICATIONS

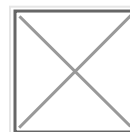
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDH3B1 antibody detects endogenous levels of total ALDH3B1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	468
Applicable Applications for anti-ALDH3B1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane
Tissue Specificity	Highest expression in kidney and lung.
Predicted Cross Reactivity	Pig, Bovine
Similarity	Pig (82%), Bovine (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324433 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324433 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using ALDH3B1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH3B1 antibody	<p>Function: 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.</p> <p>Post-translational Modifications: Dually lipidated in the C-terminus; prenylation occurs prior to, and is a prerequisite for palmitoylation. It is also required for activity towards long-chain substrates.</p> <p>Similarity: Belongs to the aldehyde dehydrogenase family.</p>
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502043
NCBI GeneID	221
NCBI Accession #	NP_000685.1
NCBI GenBank Nucleotide #	NM_000694.3
UniProt Accession #	P43353; Q53XL5; Q8N515; Q96CK8; A3FMP9
Molecular Weight	Observed: 52 kD Predicted: 52 kDa
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
NCBI Protein Information	aldehyde dehydrogenase family 3 member B1
UniProt Protein Name	Aldehyde dehydrogenase family 3 member B1
UniProt Gene Name	ALDH3B1
UniProt Synonym Gene Names	ALDH7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aldh3b1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324433>