

Rabbit ALDH3A1 Polyclonal Antibody | anti-ALDH3A1 antibody

ALDH3A1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200962	Rabbit	Cow, Dog, Guinea Pig, Human, Rat	Western Blot, Immunohistochemistry

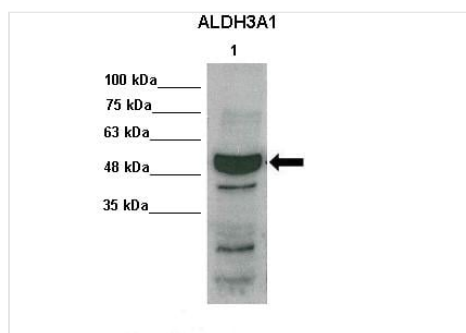
PRODUCT SYNONYMS

ALDH3A1; Polyclonal Antibody; ALDH3A1 antibody - N-terminal region; anti-ALDH3A1 antibody

PRODUCT SPECIFICATIONS

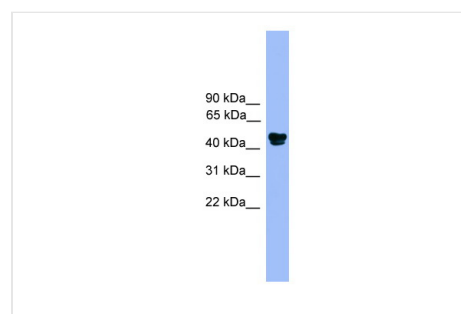
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DL HKNEWNAYYE EVVYVLEEIE YMIQKLPEWA ADEPVEKTPQ TQQDELYI
Sequence Length	453
Applicable Applications for anti-ALDH3A1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ALDH3A1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



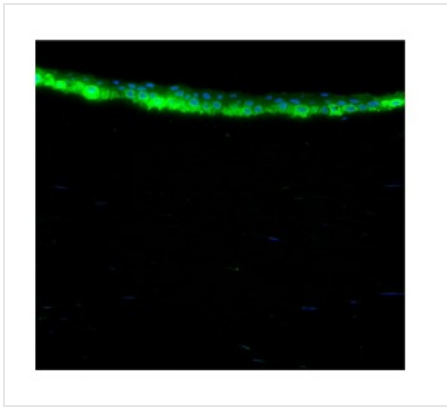
WB (Western Blot)

WB Suggested Anti-ALDH3A1 Antibody Positive Control: Lane 1: 30ug human primary hepatocytes
 Primary Antibody Dilution : 1:1000
 Secondary Antibody : Anti-rabbit-HRP
 Secondary Antibody Dilution : 1:5000
 Submitted by: Takeshi Saito, USC Keck School of Medicine



WB (Western Blot)

Sample Type: Human Fetal Muscle
 ALDH3A1 antibody - N-terminal region validated by WB using Fetal Muscle cell lysate at 1ug/ml.



IHC (Immunohistochemistry)
Sample Type: Human CorneaDilution: 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH3A1 antibody	This is a rabbit polyclonal antibody against ALDH3A1. It was validated on Western Blot Target Description: 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 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.
Product Categories/Family for anti-ALDH3A1 antibody	Polyclonal ; Signaling Intermediate ; Cell Adhesion ; Drugs and Drug Metabolism ; Immunohistochemistry ; Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	22907049
NCBI GeneID	218
NCBI Accession #	NP_000682
NCBI GenBank Nucleotide #	NM_000691
UniProt Accession #	P30838
Molecular Weight	50kDa
NCBI Official Full Name	aldehyde dehydrogenase, dimeric NADP-preferring isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 3 family member A1
NCBI Official Symbol	ALDH3A1
NCBI Official Synonym Symbols	ALDH3; ALDHIII
NCBI Protein Information	aldehyde dehydrogenase, dimeric NADP-preferring
UniProt Protein Name	Aldehyde dehydrogenase, dimeric NADP-preferring
UniProt Gene Name	ALDH3A1
UniProt Synonym Gene Names	ALDH3
UniProt Entry Name	AL3A1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aldh3a1-antibody-western-blot-immunohistochemistry-elisa/200962>