

Rabbit anti-Human, Mouse ALDH3A1 Polyclonal Antibody | anti-ALDH3A1 antibody

ALDH3A1 Polyclonal Antibody

CATALOG # AAA279804	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ALDH3A1; Polyclonal Antibody; ALDH3A1 Polyclonal Antibody; ALDH3; ALDHIII; anti-ALDH3A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	453
Applicable Applications for anti-ALDH3A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human ALDH3A1
Calculated Molecular Weight	50kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using ALDH3A1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ALDH3A1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH3A1 antibody	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

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033473
NCBI GeneID	218
UniProt Accession #	P30838; Q9BT37; A8K828
Molecular Weight	453
NCBI Official Full Name	Aldehyde dehydrogenase, dimeric NADP-preferring
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; stomach aldehyde dehydrogenase; aldehyde dehydrogenase type III; aldehyde dehydrogenase isozyme 3
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-immunofluorescence-immunohistochemistry-western-blot-elisa/279804>