

Rabbit ALDH4A1 Polyclonal Antibody | anti-ALDH4A1 antibody

ALDH4A1 Antibody

CATALOG # AAA225053	HOST Rabbit	REACTIVITY Human, Mouse, Dog, Zebra Fish	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ALDH4A1; Polyclonal Antibody; ALDH4A1 Antibody; Rabbit Polyclonal ALDH4A1 Antibody raised against the C terminal of ALDH4A1; Polyclonal ALDH4A1 antibody; Anti-ALDH4A1 antibody; ALDH4 antibody; P5CDhS antibody; Aldehyde Dehydrogenase 4 Family Member A1 antibody; P5CD antibody; P5CDh antibody; P5CDhL antibody; anti-ALDH4A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Dog, Zebra Fish
Clonality	Polyclonal
Specificity	ALDH4A1 antibody was raised against the C terminal of ALDH4A1
Purity/Purification	Total IgG Protein A purified
Form/Format	Liquid; in 1x PBS buffer with 0.09% (w/v) Sodium Azide and 2% Sucrose.
Concentration	1 mg/ml (varies by lot)
Sequence Length	563
Applicable Applications for anti-ALDH4A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	ALDH4A1 antibody was raised using the C terminal of ALDH4A1 corresponding to a region with amino acids RNAAGNFYINDKSTGSIVGQPPFGGARASGTNDKPGGPHYILRWTSPPQVI
Cross-Reactivity	Human,Mouse,Dog,ZebraFish
Preparation and Storage	Store at 2-8 degree C for short periods. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.

IMAGES



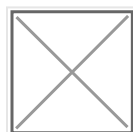
IHC (Immunohistochemistry)

ALDH4A1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Skeletal muscle cells (arrows) in Human Muscle. Magnification is at 400X



WB (Western Blot)

ALDH4A1 antibody used at 1.25 ug/ml to detect target protein.



IHC (Immunohistochemistry)

ALDH4A1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH4A1 antibody	ALDH4A1 belongs to the aldehyde dehydrogenase family of proteins. This enzyme is a mitochondrial matrix NAD-dependent dehydrogenase which catalyzes the second step of the proline degradation pathway, converting pyrroline-5-carboxylate to glutamate. Deficiency of this enzyme is associated with type II hyperprolinemia, an autosomal recessive disorder characterized by accumulation of delta-1-pyrroline-5-carboxylate (P5C) and proline.
Product Categories/Family for anti-ALDH4A1 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	823670562
Molecular Weight	62 kDa (MW of target protein)
NCBI Official Full Name	ALDH4A1, partial

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/aldh4a1-antibody-immunohistochemistry-western-blot-elisa/225053>