

Rabbit anti-Human, mouse ALDH1A3 Polyclonal Antibody | anti-ALDH1A3 antibody

ALDH1A3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284760	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

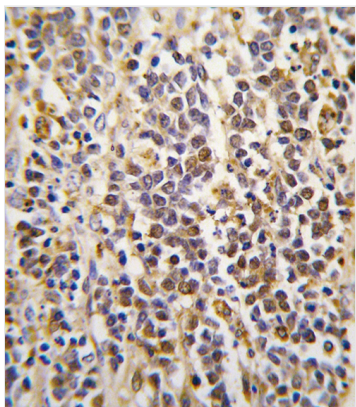
PRODUCT SYNONYMS

ALDH1A3; Polyclonal Antibody; ALDH1A3 Antibody (Center); Aldehyde dehydrogenase family 1 member A3; Aldehyde dehydrogenase 6; Retinaldehyde dehydrogenase 3; RALDH-3; RaLDH3; ALDH6; anti-ALDH1A3 antibody

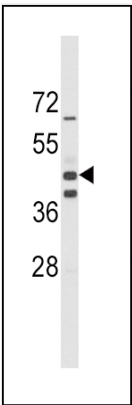
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALDH1A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-348 amino acids from the Central region of human ALDH1A3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	318-348
Sequence Length	512
Applicable Applications for anti-ALDH1A3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

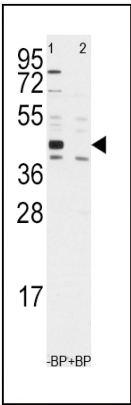
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human kidney tissue reacted with ALDH1A3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ALDH1A3 Antibody (Center) in mouse spleen tissue lysates (35ug/lane). ALDH1A3 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-ALDH1A3 Antibody (Center) pre-incubated with and without blocking peptide in Jurkat cell line lysate. ALDH1A3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1A3 antibody	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The enzyme ALDH1A3 uses retinal as a substrate, either in a free or cellular retinol-binding protein form.
Product Categories/Family for anti-ALDH1A3 antibody	Metabolism; Neuroscience; Signal Transduction
References	Rexer,B.N., Cancer Res. 61 (19), 7065-7070 (2001) Yoshida,A., Eur. J. Biochem. 251 (3), 549-557 (1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	153266822
NCBI GeneID	220
NCBI Accession #	NP_000684.2
NCBI GenBank Nucleotide #	NM_000693.3
UniProt Accession #	P47895; Q6NT64
Molecular Weight	56108

NCBI Official Full Name	aldehyde dehydrogenase family 1 member A3 isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family, member A3
NCBI Official Symbol	ALDH1A3
NCBI Official Synonym Symbols	ALDH6; MCOP8; RALDH3; ALDH1A6
NCBI Protein Information	aldehyde dehydrogenase family 1 member A3
UniProt Protein Name	Aldehyde dehydrogenase family 1 member A3
UniProt Gene Name	ALDH1A3
UniProt Synonym Gene Names	ALDH6; RALDH-3; RaIDH3
UniProt Entry Name	AL1A3_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/aldh1a3-antibody-immunohistochemistry-western-blot-elisa/284760>