

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

ALDH1A3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289570	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

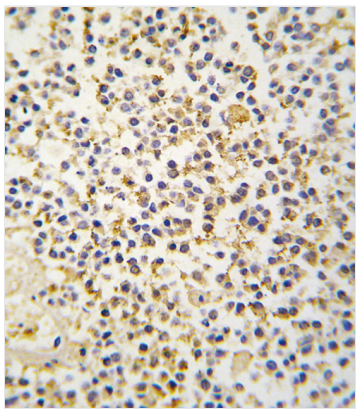
PRODUCT SYNONYMS

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

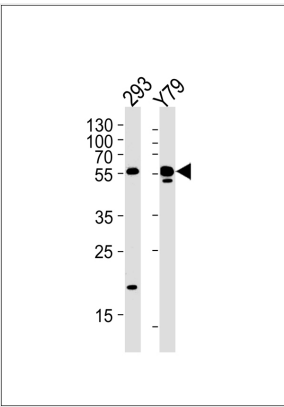
PRODUCT SPECIFICATIONS

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 24-51 amino acids from the N-terminal 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	24-51
Sequence Length	512
Applicable Applications for anti-ALDH1A3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Function	Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Seems to be the key enzyme in the formation of an RA gradient along the dorso-ventral axis during the early eye development and also in the development of the olfactory system (By similarity).
Cellular Location	Cytoplasm
Tissue Location	Expressed at low levels in many tissues and at higher levels in salivary gland, stomach, and kidney.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human kideny tissue reacted with ALDH1A3 antibody (N-term), 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)
ALDH1A3 Antibody (N-term) western blot analysis in 293,Y79 cell line lysates (35ug/lane).This demonstrates the ALDH1A3 antibody detected the ALDH1A3 protein (arrow).

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	Crown Antibodies; 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; RaLDH3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/aldh1a3-antibody-western-blot-immunohistochemistry-elisa/289570>