Rabbit anti-Human, mouse ALDH9A1 Polyclonal Antibody | anti-ALDH9A1 antibody

ALDH9A1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288034	**Rabbit**	**Human, mouse**	**Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

ALDH9A1; Polyclonal Antibody; ALDH9A1 Antibody (N-term); 4-trimethylaminobutyraldehyde dehydrogenase; TMABADH; Aldehyde dehydrogenase E3 isozyme; Aldehyde dehydrogenase family 9 member A1; Gamma-aminobutyraldehyde dehydrogenase; R-aminobutyraldehyde dehydrogenase; ALDH4; ALDH7; ALDH9; anti-ALDH9A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALDH9A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-34 amino acids from the N-terminal region of human ALDH9A1.
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	4-34
Sequence Length	518
Applicable Applications for anti-ALDH9A1 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 (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ALDH9A1 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)
Western blot analysis of anti-ALDH9A1 Antibody (N-term) in mouse kidney tissue lysates (35ug/lane). ALDH9A1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH9A1 antibody	ALDH9A1 belongs to the aldehyde dehydrogenase family of proteins. The protein has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid (GABA). This isozyme is a tetramer of identical 54-kD subunits.
Product Categories/Family for anti-ALDH9A1 antibody	Metabolism; Neuroscience; Signal Transduction
References	Cheung,C.L., Hum. Mol. Genet. 18 (4), 679-687 (2009) Vaz,F.M., J. Biol. Chem. 275 (10), 7390-7394 (2000) Lin,S.W., Genomics 34 (3), 376-380 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387104
NCBI GeneID	223
NCBI Accession #	NP_000687.3
NCBI GenBank Nucleotide #	NM_000696.3
UniProt Accession #	P49189; Q5VV90; Q6LCL1; Q9NZT7; B2R6X1; B4DXY7
Molecular Weight	53802
NCBI Official Full Name	4-trimethylaminobutyraldehyde dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase 9 family, member A1
NCBI Official Symbol	ALDH9A1
NCBI Official Synonym Symbols	E3; ALDH4; ALDH7; ALDH9; TMABADH
NCBI Protein Information	4-trimethylaminobutyraldehyde dehydrogenase
UniProt Protein Name	4-trimethylaminobutyraldehyde dehydrogenase
UniProt Gene Name	**ALDH9A1**
UniProt Synonym Gene Names	ALDH4; ALDH7; ALDH9; TMABADH
UniProt Entry Name	AL9A1_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/aldh9a1-antibody-immunohistochemistry-western-blot-elisa/288034