

Rabbit ALDH1A1 Polyclonal Antibody | anti-ALDH1A1 antibody

ALDH1A1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200851	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast	Western Blot, Immunohistochemistry

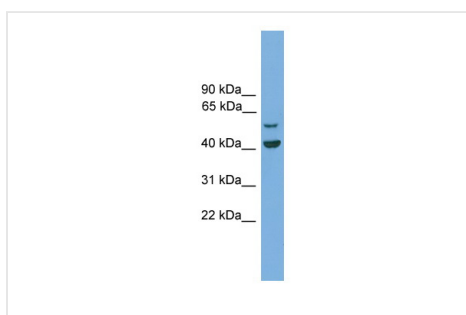
PRODUCT SYNONYMS

ALDH1A1; Polyclonal Antibody; ALDH1A1 antibody - middle region; anti-ALDH1A1 antibody

PRODUCT SPECIFICATIONS

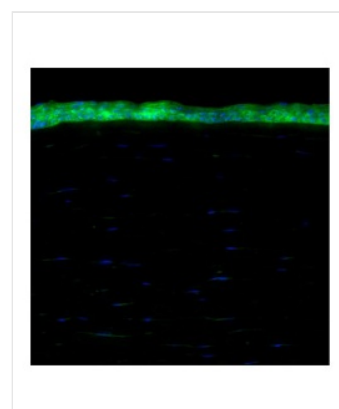
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Yeast
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SV ERAKKYILGN PLTPGVTQGP QIDKEQYDKI LDLIESGKKE GAKLECGG
Sequence Length	501
Applicable Applications for anti-ALDH1A1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Rabbit: 79%; Rat: 93%; Sheep: 93%; Yeast: 77%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ALDH1A1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ALDH1A1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:31250
 Positive Control: ACHN cell lysate
 ALDH1A1 is supported by BioGPS gene expression data to be expressed in ACHN



IHC (Immunohistochemistry)

Sample Type: Human Cornea
 Dilution: 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1A1 antibody	This is a rabbit polyclonal antibody against ALDH1A1. It was validated on Western Blot Target Description: This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes.
Product Categories/Family for anti-ALDH1A1 antibody	Polyclonal; Drugs and Drug Metabolism; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361176
NCBI GeneID	216
NCBI Accession #	NP_000680
NCBI GenBank Nucleotide #	NM_000689
UniProt Accession #	P00352
Molecular Weight	55kDa
NCBI Official Full Name	retinal dehydrogenase 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member A1
NCBI Official Symbol	ALDH1A1
NCBI Official Synonym Symbols	ALDC; ALDH1; HEL-9; HEL12; PUMB1; ALDH11; RALDH1; ALDH-E1; HEL-S-53e
NCBI Protein Information	retinal dehydrogenase 1
UniProt Protein Name	Retinal dehydrogenase 1
UniProt Gene Name	ALDH1A1
UniProt Synonym Gene Names	ALDC; ALDH1; PUMB1; RALDH 1; RaIDH1
UniProt Entry Name	AL1A1_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://www.aaabiotech.com/polyclonal/aldh1a1-antibody-western-blot-immunohistochemistry-elisa/200851>