

Rabbit ALDH1A1 Monoclonal Antibody | anti-ALDH1A1 antibody

ALDH1A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312179	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

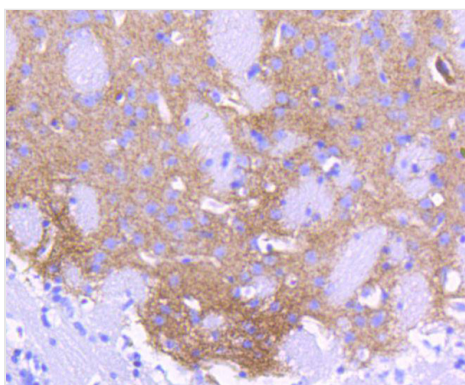
PRODUCT SYNONYMS

ALDH1A1; Monoclonal Antibody; ALDH1A1 Antibody; Acetaldehyde dehydrogenase 1 antibody; AHD2 antibody; AL1A1_HUMAN antibody; ALDC antibody; Aldehyde dehydrogenase 1 family member A1 antibody; Aldehyde dehydrogenase 1 soluble antibody; Aldehyde dehydrogenase 1A1 antibody; Aldehyde dehydrogenase antibody; Aldehyde dehydrogenase cytosolic antibody; Aldehyde dehydrogenase family 1 member A1 antibody; Aldehyde dehydrogenase liver cytosolic antibody; ALDH 1 antibody; ALDH 1A1 antibody; ALDH class 1 antibody; ALDH; liver cytosolic antibody; ALDH-E1 antibody; ALDH1 A1 antibody; ALDH1 antibody; ALDH11 antibody; ALDH1A1 antibody; ALHDII antibody; cytosolic antibody; epididymis luminal protein 12 antibody; epididymis luminal protein 9 antibody; epididymis secretory sperm binding protein Li 53e antibody; HEL-S-53e antibody; MGC2318 antibody; PUMB1 antibody; RALDH 1 antibody; RalDH1 antibody; Retinal dehydrogenase 1 antibody; anti-ALDH1A1 antibody

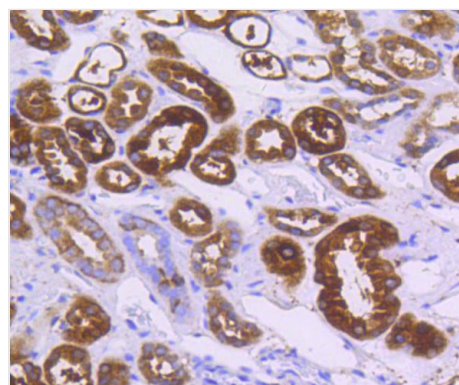
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SY11-02
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ALDH1A1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

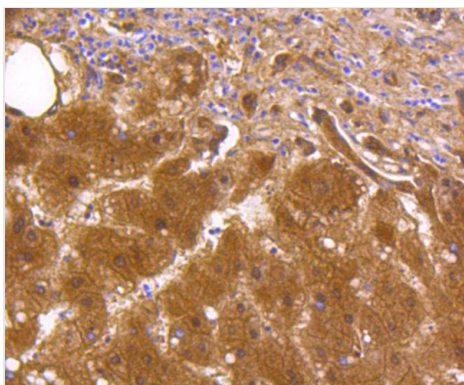
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-ALDH1A1 antibody. Counter stained with hematoxylin.

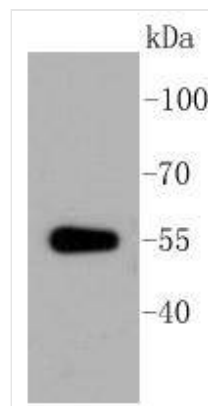

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ALDH1A1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-ALDH1A1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of ALDH1A1 on mouse lung lysates using anti-ALDH1A1 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1A1 antibody

Aldehyde dehydrogenases (ALDHs) mediate NADP⁺-dependent oxidation of aldehydes into acids during the detoxification of alcohol-derived acetaldehyde; metabolism of corticosteroids, biogenic amines and neurotransmitters; and lipid peroxidation. ALDH1A1, also designated retinal dehydrogenase 1 (RALDH1 or RALDH1), aldehyde dehydrogenase family 1 member A1, aldehyde dehydrogenase cytosolic, ALDHII, ALDH-E1 or ALDH E1, is a retinal dehydrogenase that participates in the biosynthesis of retinoic acid (RA). There are two major liver isoforms of ALDH1 that can localize to cytosolic or mitochondrial space. The ALDH1A2 (RALDH2, RALDH2-T) gene produces three different transcripts and also catalyzes the synthesis of RA from retinaldehyde. ALDH1A3 (ALDH6, RALDH3, ALDH1A6) is a 37 kb gene that consists of 13 exons and produces a major transcript of approximately 3.5 kb most abundant in salivary gland, stomach and kidney. ALDH3A1 (stomach type, ALDH3, ALDHIII) forms a cytoplasmic homodimer that preferentially oxidizes aromatic aldehyde substrates. ALDH genes upregulate as a part of the oxidative stress response, and appear to be abundant in certain tumors that have an accelerated metabolism toward chemotherapy agents.

Product Categories/Family for anti-ALDH1A1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	118495
NCBI GeneID	216
UniProt Accession #	P00352; O00768; Q5SYR1
Molecular Weight	501
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; ALDHII; RALDH 1; ALDH class 1; acetaldehyde dehydrogenase 1; epididymis luminal protein 9; epididymis luminal protein 12; retinaldehyde dehydrogenase 1; aldehyde dehydrogenase 1, soluble; aldehyde dehydrogenase, liver cytosolic; e
UniProt Protein Name	Retinal dehydrogenase 1
UniProt Gene Name	ALDH1A1
UniProt Synonym Gene Names	ALDC; ALDH1; PUMB1; RALDH 1; RalDH1
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://stage.aaabiotech.com/monoclonal/aldh1a1-antibody-clone-sy11-02-immunoprecipitation-immunohistochemistry-western-blot-elisa/312179>