

Rabbit ALDH7A1 Polyclonal Antibody | anti-ALDH7A1 antibody

ALDH7A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234388	Rabbit	Human, Rat, Mouse	Immunofluorescence, Western Blot, ELISA

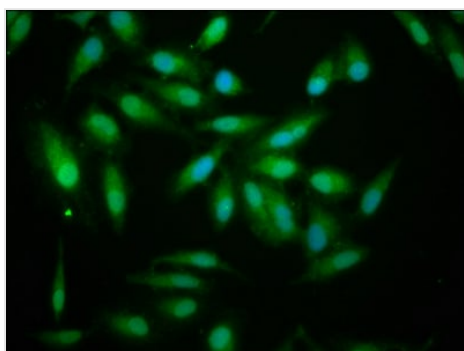
PRODUCT SYNONYMS

ALDH7A1; Polyclonal Antibody; ALDH7A1 Antibody; Alpha-aminoadipic semialdehyde dehydrogenase; Alpha-AASA dehydrogenase; Aldehyde dehydrogenase family 7 member A1; Antiquitin-1; Betaine aldehyde dehydrogenase; Delta1-piperidine-6-carboxylate dehydrogenase; P6c dehydrogenase; ATQ1; anti-ALDH7A1 antibody

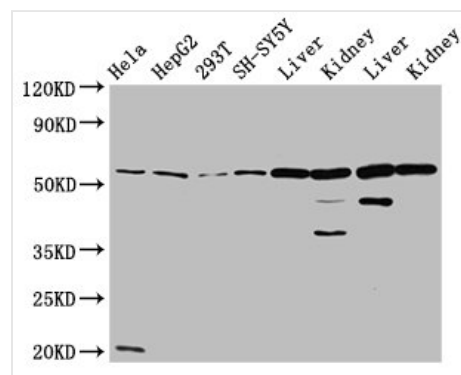
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	539
Applicable Applications for anti-ALDH7A1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Alpha-aminoadipic semialdehyde dehydrogenase protein (386-515AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234388 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).


WB (Western Blot)

Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, 293T whole cell lysate, SH-SY5Y whole cell lysate, Rat liver tissue, Rat kidney tissue, Mouse liver tissue, Mouse kidney tissue. All lanes: ALDH7A1 antibody at 4.7ug/ml. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 59, 56, 52 KDa. Observed band size: 59 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH7A1 antibody	Multifunctional enzyme mediating important protective effects. Metabolizes betaine aldehyde to betaine, an important cellular osmolyte and methyl donor. Protects cells from oxidative stress by metabolizing a number of lipid peroxidation-derived aldehydes. Involved in lysine catabolism.
Product Categories/Family for anti-ALDH7A1 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035924
NCBI GeneID	501
NCBI Accession #	NP_001173.2
NCBI GenBank Nucleotide #	NM_001182.4
UniProt Accession #	P49419; O14619; Q6IPU8; Q9BUL4; B2R669; B4DIC7; B4DMA0; E7EPT3
Molecular Weight	51,411 Da
NCBI Official Full Name	alpha-aminoadipic semialdehyde dehydrogenase isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 7 family member A1
NCBI Official Symbol	ALDH7A1
NCBI Official Synonym Symbols	EPD; PDE; ATQ1
NCBI Protein Information	alpha-aminoadipic semialdehyde dehydrogenase
UniProt Protein Name	Alpha-aminoadipic semialdehyde dehydrogenase
UniProt Gene Name	ALDH7A1
UniProt Synonym Gene Names	ATQ1; Alpha-AASA dehydrogenase; P6c dehydrogenase

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/aldh7a1-antibody-immunofluorescence-western-blot-elisa/234388>