

Rabbit anti-Human, Mouse ALDH7A1 Polyclonal Antibody | anti-ALDH7A1 antibody

ALDH7A1 Polyclonal Antibody

CATALOG # AAA175689	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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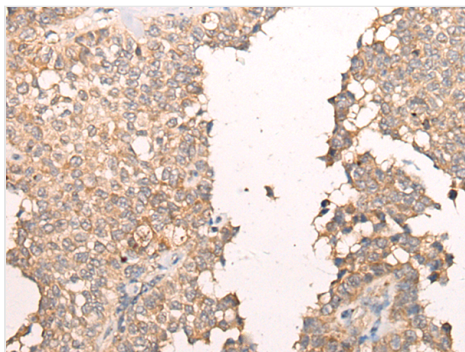
PRODUCT SYNONYMS

ALDH7A1; Polyclonal Antibody; ALDH7A1 Polyclonal Antibody; 26g turgor protein homolog; AL7A1_HUMAN; Aldehyde dehydrogenase 7 A1; Aldehyde dehydrogenase 7 family; member A1; Aldehyde dehydrogenase family 7 member A1; Alpha AASA dehydrogenase; Alpha aminoadipic semialdehyde dehydrogenase; Alpha-AASA dehydrogenase; Alpha-aminoadipic semialdehyde dehydrogenase; Antiquitin 1; Antiquitin; Antiquitin-1; ATQ1; Betaine aldehyde dehydrogenase; Delta1 piperidine 6 carboxylate dehydrogenase; Delta1-piperidine-6-carboxylate dehydrogenase; EPD; P6c dehydrogenase; PDE; anti-ALDH7A1 antibody

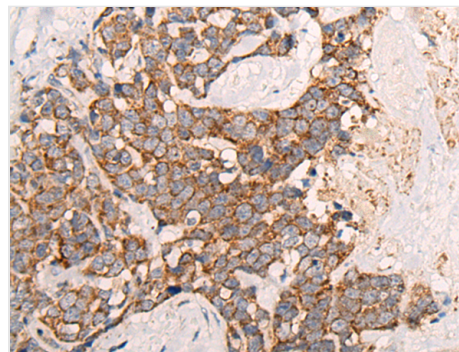
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.5mg/mL (varies by lot)
Sequence Length	539
Applicable Applications for anti-ALDH7A1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human ALDH7A1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ALDH7A1 Polyclonal Antibody at dilution of 1:30(×200)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ALDH7A1 Polyclonal Antibody at dilution of 1:30(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH7A1 antibody	The protein encoded by this gene is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. It is also involved in lysine catabolism that is known to occur in the mitochondrial matrix. Recent reports show that this protein is found both in the cytosol and the mitochondria, and the two forms likely arise from the use of alternative translation initiation sites. An additional variant encoding a different isoform has also been found for this gene. Mutations in this gene are associated with pyridoxine-dependent epilepsy. Several related pseudogenes have also been identified.
Product Categories/Family for anti-ALDH7A1 antibody	Signal Transduction; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035924
NCBI GeneID	501
NCBI Accession #	NP_001173.2
NCBI GenBank Nucleotide #	NP_001173.2
UniProt Accession #	P49419
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://stage.aaabiotech.com/polyclonal/aldh7a1-antibody-immunohistochemistry-elisa/175689>