Rabbit anti-Human Delta-1-pyrroline-5-carboxylate dehydrogenase Polyclonal Antibody | anti-ALDH4A1 antibody

Rabbit anti-human Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial polyclonal Antibody(ALDH4A1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119216	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

Delta-1-pyrroline-5-carboxylate dehydrogenase; Polyclonal Antibody; Rabbit anti-human Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial polyclonal Antibody(ALDH4A1); P5C dehydrogenase; Aldehyde dehydrogenase family 4 member A1; L-glutamate gamma-semialdehyde dehydrogenase; ALDH4A1; ALDH4; P5CDH; anti-ALDH4A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	503
Applicable Applications for anti-ALDH4A1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial protein(354-563aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-69145 / sc-130948
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human liver using AAA119216 at dilution 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human testicle using AAA119216 at dilution 1:100



WB (Western Blot)
All lanes: Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial antibody at 13ug/mlLane 1:K562 whole cell lysateLane 2:293T whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 62,56,57 kDaObserved band size: 62 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH4A1 antibody	Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	238859541
NCBI GeneID	8659
NCBI Accession #	NP_001154976.1
NCBI GenBank Nucleotide #	NM_001161504.1
UniProt Accession #	P30038; Q16882; Q53HU4; Q5JNV6; Q8IZ38; Q96IF0; Q9UDI6; A8K1Q7; B4DGE4; D2D4A3
Molecular Weight	56,043 Da
NCBI Official Full Name	delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial isoform b
NCBI Official Synonym Full Names	aldehyde dehydrogenase 4 family member A1
NCBI Official Symbol	ALDH4A1
NCBI Official Synonym Symbols	P5CD; ALDH4; P5CDh
NCBI Protein Information	delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
UniProt Protein Name	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
UniProt Gene Name	**ALDH4A1**
UniProt Synonym Gene Names	ALDH4; P5CDH; P5C dehydrogenase
UniProt Entry Name	AL4A1_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/delta-1-pyrroline-5-carboxylate-dehydrogenase-antibody-immunohistochemistry-western-blot-elisa/119216