Goat ALDH18A1 Polyclonal Antibody | anti-ALDH18A1 antibody

Goat anti-ALDH18A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61525	**Goat**	**Tested: Human, Mouse; Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig**	**Western Blot, ELISA**

PRODUCT SYNONYMS

ALDH18A1; Polyclonal Antibody; Goat anti-ALDH18A1 Antibody; aldehyde dehydrogenase 18 family; member A1; GSAS; MGC117316; P5CS; PYCS; aldehyde dehydrogenase 18A1; delta1-pyrroline-5-carboxlate synthetase; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); member A1 antibody; aldehyde dehydrogenase 18A1 antibody; delta1-pyrroline-5-carboxlate synthetase antibody; GSAS antibody; MGC117316 antibody; P5CS antibody; PYCS antibody; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase) antibody; ALDH18A1 antibody; anti-ALDH18A1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human, Mouse; Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0. 02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	SEHGSLKYLH
Sequence Length	795
Applicable Applications for anti-ALDH18A1 antibody	WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence C-SEHGSLKYLH, from the C Terminus of the protein sequence according to NP_002851.2; NP_001017423.1.
Epitope	C Terminus
Note	This antibody is expected to recognize both reported isoforms (NP_002851.2; NP_001017423.1).
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES

WB (Western Blot)
0.3ug/ml) staining of NIH3T3 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

WB (Western Blot)
1ug/ml) staining of MCF7 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361368
NCBI GeneID	5832
NCBI Accession #	NP_002851.2; NP_001017423.1
NCBI GenBank Nucleotide #	NM_002860.3
Molecular Weight	87,089 Da
NCBI Official Full Name	delta-1-pyrroline-5-carboxylate synthase isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 18 family member A1
NCBI Official Symbol	ALDH18A1
NCBI Official Synonym Symbols	GSAS; P5CS; PYCS; ADCL3; SPG9A; SPG9B; ARCL3A
NCBI Protein Information	delta-1-pyrroline-5-carboxylate synthase
UniProt Protein Name	Delta-1-pyrroline-5-carboxylate synthase
UniProt Gene Name	**ALDH18A1**
UniProt Synonym Gene Names	GSAS; P5CS; PYCS; P5CS; GK; GPR
UniProt Entry Name	P5CS_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/aldh18a1-antibody-western-blot-peptide-elisa-elisa/61525