

Rabbit ALDH5A1 Polyclonal Antibody | anti-ALDH5A1 antibody

ALDH5A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328766	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

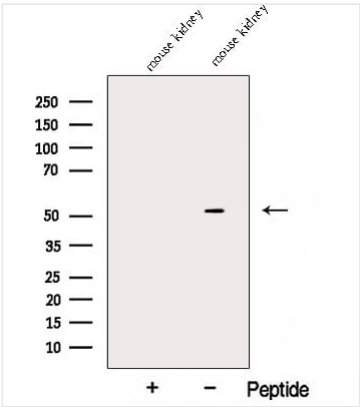
PRODUCT SYNONYMS

ALDH5A1; Polyclonal Antibody; ALDH5A1 Antibody; Aldehyde dehydrogenase 5 family; Aldehyde dehydrogenase 5 family member A1; Aldehyde dehydrogenase 5A1; Aldehyde dehydrogenase family 5 member A1; ALDH5A 1; Aldh5a1; mitochondrial; mitochondrial succinate semialdehyde dehydrogenase; NAD(+) dependent succinic semialdehyde dehydrogenase; NAD(+)-dependent succinic semialdehyde dehydrogenase; SSADH; SSDH; SSDH_HUMAN; Succinate semialdehyde dehydrogenase; Succinate-semialdehyde dehydrogenase; anti-ALDH5A1 antibody

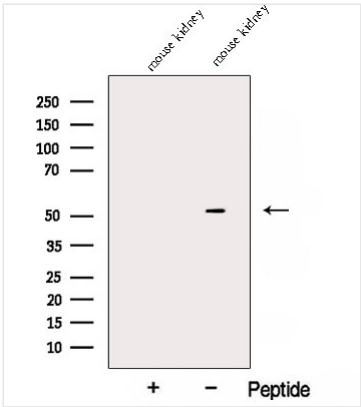
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDH5A1 Antibody detects endogenous levels of ALDH5A1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	535
Applicable Applications for anti-ALDH5A1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALDH5A1.
Tissue Specificity	Brain, pancreas, heart, liver, skeletal muscle and kidney. Lower in placenta.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

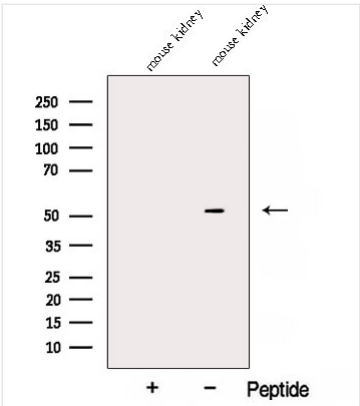
IMAGES



WB (Western Blot)
Western blot analysis of extracts from Mouse kidney tissue, using ALDH5A1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using ALDH5A1 Antibody. Lane 1: B16F10, treated with blocking peptide; Lane 2: B16F10; Lane 3: Rat brain.



IF (Immunofluorescence)
staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH5A1 antibody	Description: Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA).
	Subunit Structure: Homotetramer.
	Similarity: Belongs to the aldehyde dehydrogenase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507229
NCBI GeneID	7915
NCBI Accession #	NP_001071.1
NCBI GenBank Nucleotide #	NP_001071.1
UniProt Accession #	P51649
Molecular Weight	Observed: 51 kDa Predicted: 58 kDa

NCBI Official Full Name	succinate-semialdehyde dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	aldehyde dehydrogenase 5 family member A1
NCBI Official Symbol	ALDH5A1
NCBI Official Synonym Symbols	SSDH; SSADH
NCBI Protein Information	succinate-semialdehyde dehydrogenase, mitochondrial
UniProt Protein Name	Succinate-semialdehyde dehydrogenase, mitochondrial
UniProt Gene Name	ALDH5A1
UniProt Synonym Gene Names	SSADH
UniProt Entry Name	SSDH_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/aldh5a1-antibody-western-blot-elisa/328766>