

Rabbit SUCLA2 Polyclonal Antibody | anti-SUCLA2 antibody

SUCLA2 Antibody

CATALOG # AAA322933	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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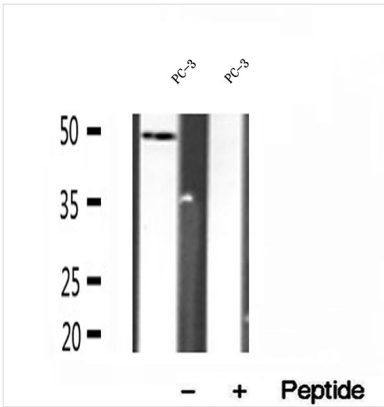
PRODUCT SYNONYMS

SUCLA2; Polyclonal Antibody; SUCLA2 Antibody; A BETA; A SCS; ATP specific succinyl CoA synthetase subunit beta; ATP specific succinyl CoA synthetase; beta subunit; ATP-specific succinyl-CoA synthetase subunit beta; Mitochondrial succinyl CoA ligase [ADP forming] subunit beta; MTDPS5; Renal carcinoma antigen NY-REN-39; Renal carcinoma antigen NYREN39; SCS betaA; SCS-betaA; SUCB1_HUMAN; Succinate CoA ligase (ADP forming); Succinate CoA ligase [ADP forming] subunit beta; mitochondrial; succinyl CoA ligase [ADP forming] subunit beta; Succinate CoA ligase ADP forming beta subunit; Succinate CoA ligase beta subunit; Succinyl CoA ligase [ADP-forming] subunit beta; Succinyl CoA synthetase beta A chain; Succinyl-CoA ligase [ADP-forming] subunit beta; Succinyl-CoA synthetase beta-A chain; anti-SUCLA2 antibody

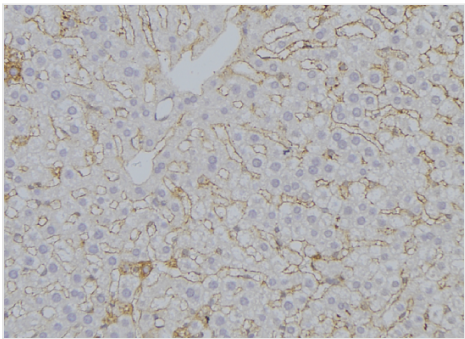
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SUCLA2 antibody detects endogenous levels of SUCLA2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	463
Applicable Applications for anti-SUCLA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SUCLA2.
Subcellular Location	Mitochondrion.
Tissue Specificity	Widely expressed. Not expressed in liver and lung.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

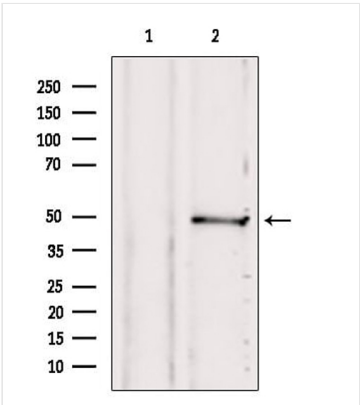
IMAGES



WB (Western Blot)
Western blot analysis of extracts of PC-3 cells, using SUCLA2 antibody.



IHC (Immunohistochemistry)
AAA322933 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from 293, using SUCLA2 antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SUCLA2 antibody	Function: ATP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of ATP and thus represents the only step of substrate-level phosphorylation in the TCA (PubMed:15877282). The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit (By similarity). Subunit Structure: Heterodimer of an alpha and a beta subunit. The beta subunit determines specificity for ATP (By similarity). Interacts with ALAS2 (PubMed:14643893). Similarity: Belongs to the succinate/malate CoA ligase beta subunit family. ATP-specific subunit beta subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321583
NCBI GeneID	8803
NCBI Accession #	NP_003841.1
NCBI GenBank Nucleotide #	NM_003850.2
UniProt Accession #	Q9P2R7; O95194; Q5T9Q4; Q5T9Q6; Q9NV21; Q9NVP7; B2RDE7
Molecular Weight	Observed: 48-50 kDa Predicted: 51 kDa
NCBI Official Full Name	succinate--CoA ligase

NCBI Official Synonym Full Names	succinate-CoA ligase ADP-forming beta subunit
NCBI Official Symbol	SUCLA2
NCBI Official Synonym Symbols	A-SCS; A-BETA; MTDPS5; SCS-betaA
NCBI Protein Information	succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
UniProt Protein Name	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
UniProt Gene Name	SUCLA2
UniProt Synonym Gene Names	A-SCS

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/sucla2-antibody-immunohistochemistry-western-blot-elisa/322933>