

SUCLA2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15139**Specification****SUCLA2 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q9P2R7
Other Accession	NM_003850 , NP_003841
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa kDa

SUCLA2 antibody - N-terminal region - Additional Information**Gene ID** 8803**Alias Symbol** A-BETA, SCS-betaA, MTDP55**Other Names**

Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial, 6.2.1.5, ATP-specific succinyl-CoA synthetase subunit beta, Renal carcinoma antigen NY-REN-39, Succinyl-CoA synthetase beta-A chain, SCS-betaA, SUCLA2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SUCLA2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SUCLA2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SUCLA2 antibody - N-terminal region - Protein Information**Name** SUCLA2 {ECO:0000255|HAMAP-Rule:MF_03220, ECO:0000303|PubMed:34492704}**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, PubMed:34492704). 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).

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03220, ECO:0000269|PubMed:15877282, ECO:0000269|PubMed:17287286, ECO:0000269|PubMed:25944712}

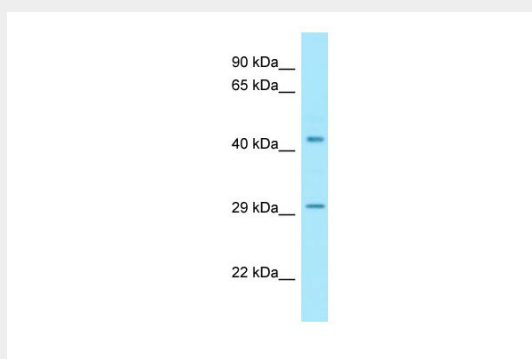
Tissue Location

Widely expressed. Not expressed in liver and lung.

SUCLA2 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SUCLA2 antibody - N-terminal region - Images

WB Suggested Anti-SUCLA2 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

SUCLA2 antibody - N-terminal region - References

Furuyama K., et al. J. Clin. Invest. 105:757-764(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Dunham A., et al. Nature 428:522-528(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Johnson J.D., et al. J. Biol. Chem. 273:27580-27586(1998).