10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SUCLA2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15138

Specification

SUCLA2 antibody - C-terminal region - Product Information

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

SUCLA2 antibody - C-terminal region - Additional Information

Gene ID 8803

Alias Symbol **A-BETA, SCS-betaA, MTDPS5**

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

SUCLA2 antibody - C-terminal region - Protein Information

Name SUCLA2 {ECO:0000255|HAMAP-Rule:MF_03220}

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).

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

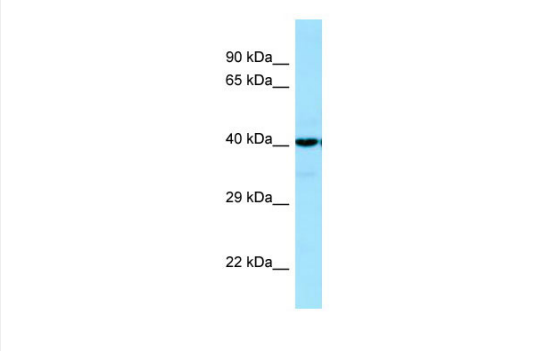
Tissue Location
Widely expressed. Not expressed in liver and lung.

SUCLA2 antibody - C-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 Cytomety
- Cell Culture

SUCLA2 antibody - C-terminal region - Images



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

SUCLA2 antibody - C-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).