

SUCLG2 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15412**Specification**

SUCLG2 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O96I99
Other Accession	NM_001177599 , NP_001171070
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	48kDa kDa

SUCLG2 Antibody - C-terminal region - Additional Information**Gene ID** 8801**Alias Symbol** G-BETA, GBETA**Other Names**

Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial, 6.2.1.4, GTP-specific succinyl-CoA synthetase subunit beta, Succinyl-CoA synthetase beta-G chain, SCS-betaG, SUCLG2

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-SUCLG2 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

SUCLG2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SUCLG2 Antibody - C-terminal region - Protein Information**Name** SUCLG2 {ECO:0000255|HAMAP-Rule:MF_03221}**Function**

GTP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of GTP and thus represents the only step of substrate-level phosphorylation in the TCA. 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.

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03221}.

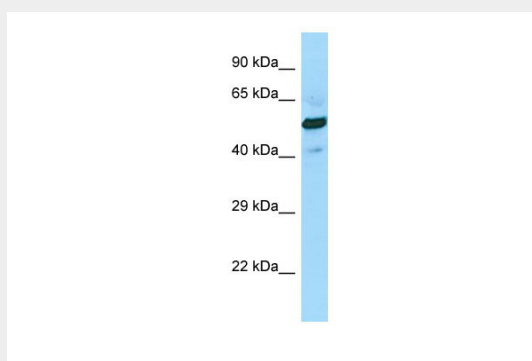
Tissue Location

Mainly expressed in liver, kidney, heart, spleen and skeletal muscle. Also found in intestine and colon, and in low amounts in lung, brain, prostate, testis and ovary

SUCLG2 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 Cytometry](#)
- [Cell Culture](#)

SUCLG2 Antibody - C-terminal region - Images

WB Suggested Anti-SUCLG2 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

SUCLG2 Antibody - C-terminal region - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Muzny D.M., et al. Nature 440:1194-1198(2006).
Johnson J.D., et al. J. Biol. Chem. 273:27580-27586(1998).
Mei G., et al. Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
Choudhary C., et al. Science 325:834-840(2009).