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

SUCB2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9750c

Specification

SUCB2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q96I99

SUCB2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 8801

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SUCB2 Antibody (Center) Blocking Peptide - 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

SUCB2 Antibody (Center) Blocking Peptide - Protocols

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

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

- Blocking Peptides

SUCB2 Antibody (Center) Blocking Peptide - Images

SUCB2 Antibody (Center) Blocking Peptide - Background

This gene encodes a GTP-specific beta subunit of succinyl-CoA synthetase. Succinyl-CoA synthetase catalyzes the reversible reaction involving the formation of succinyl-CoA and succinate. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 5 and 12.

SUCB2 Antibody (Center) Blocking Peptide - References

Lambeth, D.O., et al. J. Biol. Chem. 279(35):36621-36624(2004)Johnson, J.D., et al. J. Biol. Chem. 273(42):27580-27586(1998)