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Suclg2 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15413

Product Information

Application	WB
Primary Accession	Q9Z2I8
Other Accession	NM_011507, NP_035637
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46840

Additional Information

Gene ID	20917
Alias Symbol	AF171077, AW556404, D6Wsu120e
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 - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

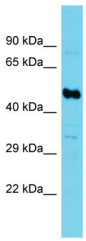
Protein Information

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}.

References

Carninci P.,et al.Science 309:1559-1563(2005).
Johnson J.D.,et al.J. Biol. Chem. 273:27580-27586(1998).
Park J.,et al.Mol. Cell 50:919-930(2013).
Rardin M.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 110:6601-6606(2013).

Images



Host: Rabbit
Target Name: Suclg2
Sample Tissue: Mouse Kidney lysates
Antibody Dilution: 1.0μg/ml