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

SUCLG1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15226

Product Information

Application	WB
Primary Accession	P53597
Other Accession	NM_003849, NP_003840
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36250

Additional Information

Gene ID	8802
Alias Symbol	FLJ21114, FLJ43513, GALPHA, SUCLA1, MTDPS9
Other Names	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial, 6.2.1.4, 6.2.1.5, Succinyl-CoA synthetase subunit alpha, SCS-alpha, SUCLG1
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-SUCLG1 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	SUCLG1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

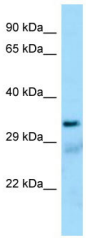
Name	SUCLG1 {ECO:0000255|HAMAP-Rule:MF_03222, ECO:0000303|PubMed:34492704}
Function	Succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of either ATP or GTP and thus represents the only step of substrate-level phosphorylation in the TCA (PubMed:34492704, PubMed:40108300). The alpha subunit of the enzyme binds the substrates coenzyme A and phosphate, while succinate binding and specificity for either ATP or GTP is provided by different beta subunits (By similarity). Also able to act as an itaconyl- and malyl-CoA synthetase (PubMed:40108300).

Cellular Location Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03222}.

References

Hillier L.W.,et al.Nature 434:724-731(2005).
Tews K.N.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
James M.,et al.Biochim. Biophys. Acta 1360:169-176(1997).
Ostergaard E.,et al.Am. J. Hum. Genet. 81:383-387(2007).
Choudhary C.,et al.Science 325:834-840(2009).

Images



Host: Rabbit
Target Name: SUCLG1
Antibody Dilution: 1.0µg/ml
Sample Tissue: Human Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.