



SUCLA2 Mouse mAb

Catalog No	YP-mAb-18895
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SUCLA2
Immunogen	Synthesized peptide derived from human SUCLA2
Specificity	This antibody detects endogenous levels of SUCLA2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	A BETA;A SCS;ATP specific succinyl CoA synthetase subunit beta;ATP specific succinyl CoA synthetase;beta subunit;ATP-specific succinyl-CoA synthetase subunit beta;Mitochondrial succinyl CoA ligase [ADP forming] subunit beta;MTDPS5;Renal carcinoma antigen NY-REN-39;Renal carcinoma antigen NYREN39;SCS betaA;SCS-betaA;SUCLB1_HUMAN;Succinate CoA ligase (ADP forming);Succinate CoA ligase [ADP forming] subunit beta;mitochondrial;succinyl CoA ligase [ADP forming] subunit beta;Succinate CoA ligase ADP forming beta subunit;Succinate CoA ligase beta subunit;Succinyl CoA ligase [ADP-forming] subunit beta;Succinyl CoA synthetase beta A chain;Succinyl-CoA ligase [ADP-forming] subunit beta;Succinyl-CoA synthetase beta-A chain;SUCLA2;mitochondrial (ATP-specific succinyl-CoA synthetase subunit beta) (Renal carcinoma antigen NY-REN-39) (Succinyl-CoA synthetase beta-A chain) (SCS-betaA); mitochondrial (ATP-specific succinyl-CoA synthetase subunit beta) (Renal carcinoma antigen NY-REN-39) (Succinyl-CoA synthetase beta-A chain) (SCS-betaA)
Observed Band	
Calculated Molecular Weight	48-5 kDa; 5kD(Calculated).
Cell Pathway	Mitochondrion .
Tissue Specificity	Widely expressed. Not expressed in liver and lung.

**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 . 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).

Background**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images