

SUCLA2 (Phospho-Ser124) Antibody

Catalog No: #SAB657

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Description

Product Name	SUCLA2 (Phospho-Ser124) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human,Mouse
Specificity	SUCLA2(Phospho-Ser124) Antibody detects endogenous levels of SUCLA2(only when phosphorylated at Ser124.
Immunogen Description	A synthesized peptide derived from human SUCLA2 around the phosphorylation site of Ser124.
Other Names	SUCLA2,A-SCS,SCS-betaA
SDS-PAGE MW	50kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

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 (PubMed:15877282). 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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.