Datasheet for ABIN7170916

anti-SUCLG2 antibody (AA 161-292)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	SUCLG2
Binding Specificity:	AA 161-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUCLG2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Succinate--CoA ligase [GDP-forming] subunit beta, mitochondrial protein (161-292AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SUCLG2
Alternative Name:	SUCLG2 (SUCLG2 Products)
Background:	Background: GTP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA),

Target Details

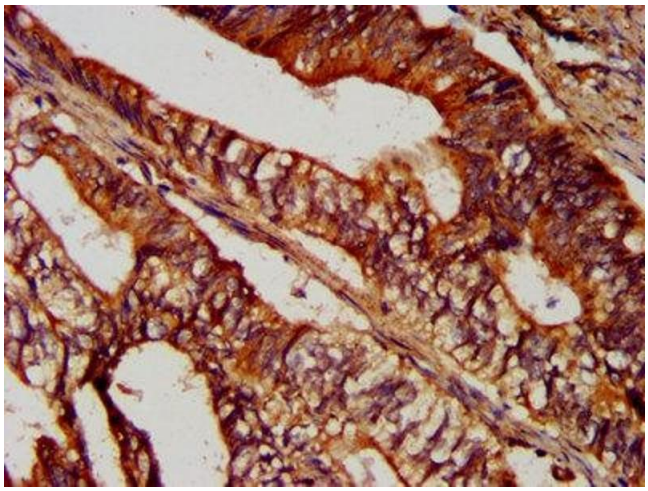
	coupling the hydrolysis of succinyl-CoA to the synthesis of GTP and thus represents the only step of substrate-level phosphorylation in the TCA. The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit. Aliases: EC 6.2.1.4 antibody, G BETA antibody, GBETA antibody, GTP specific succinyl-CoA synthetase beta subunit antibody, GTP specific succinyl-CoA synthetase subunit beta antibody, GTP-specific succinyl-CoA synthetase subunit beta antibody, mitochondrial antibody, SCS betaG antibody, SCS-betaG antibody, SUCB2_HUMAN antibody, Succinate CoA ligase GDP forming beta subunit antibody, Succinate-Coenzyme A ligase, GDP-forming, beta subunit antibody, Succinyl CoA ligase GDP forming beta chain mitochondrial antibody, Succinyl CoA synthetase betaG chain antibody, Succinyl-CoA ligase [GDP-forming] subunit beta antibody, Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial antibody, Succinyl-CoA synthetase beta-G chain antibody, SUCLG2 antibody
UniProt:	Q96I99

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,
Restrictions:	For Research Use only

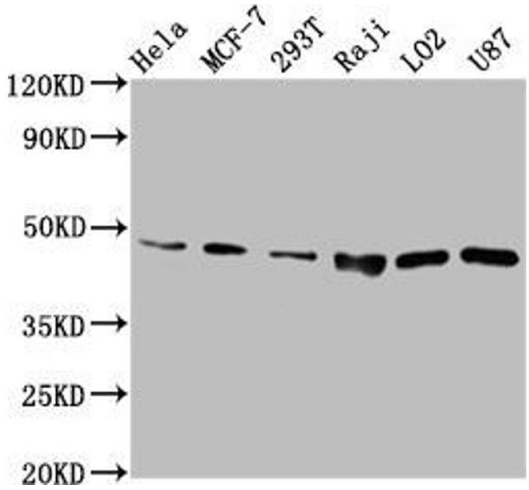
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



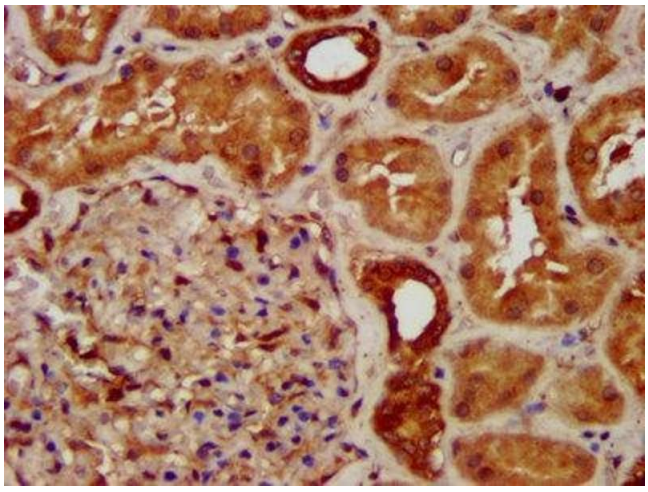
Immunohistochemistry

Image 1. IHC image of ABIN7170916 diluted at 1:300 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, 293T whole cell lysate, Raji whole cell lysate, LO2 whole cell lysate, U87 whole cell lysate, All lanes: SUCLG2 antibody at 6.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 47, 48 kDa Observed band size: 47 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7170916 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.