

ARG59818 anti-SUCLA2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SUCLA2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SUCLA2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-180 of Human SUCLA2 (NP_003841.1).
Conjugation	Un-conjugated
Alternate Names	MTDPS5; SCS-betaA; Succinyl-CoA synthetase beta-A chain; A-BETA; EC 6.2.1.5; Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial; Renal carcinoma antigen NY-REN-39; ATP-specific succinyl-CoA synthetase subunit beta

Application Instructions

Predict Reactivity Note	Rat						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>ICC/IF</td><td>1:50 - 1:200</td></tr> <tr> <td>WB</td><td>1:500 - 1:1000</td></tr> </table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:500 - 1:1000
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ICC/IF	1:50 - 1:200						
WB	1:500 - 1:1000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	Mouse heart and HeLa						
Observed Size	50 kDa						

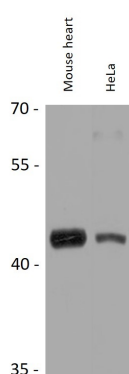
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	SUCLA2
Gene Full Name	succinate-CoA ligase, ADP-forming, beta subunit
Background	Succinyl-CoA synthetase (SCS) is a mitochondrial matrix enzyme that acts as a heterodimer, being composed of an invariant alpha subunit and a substrate-specific beta subunit. The protein encoded by this gene is an ATP-specific SCS beta subunit that dimerizes with the SCS alpha subunit to form SCS-A, an essential component of the tricarboxylic acid cycle. SCS-A hydrolyzes ATP to convert succinate to succinyl-CoA. Defects in this gene are a cause of myopathic mitochondrial DNA depletion syndrome. A pseudogene of this gene has been found on chromosome 6. [provided by RefSeq, Jul 2008]
Function	Catalyzes the ATP-dependent ligation of succinate and CoA to form succinyl-CoA. [UniProt]
Calculated Mw	50 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



ARG59818 anti-SUCLA2 antibody WB image

Western blot: 25 µg of Mouse heart and HeLa cell lysates stained with ARG59818 anti-SUCLA2 antibody at 1:1000 dilution.