Datasheet for ABIN7168949

anti-Seryl-tRNA Synthetase (SARS) (AA 2-233) antibody

3 Images

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Overview

Quantity:	100 µg
Target:	Seryl-tRNA Synthetase (SARS)
Binding Specificity:	AA 2-233
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Serine--tRNA ligase, cytoplasmic protein (2-233AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Seryl-tRNA Synthetase (SARS)
Alternative Name:	SARS (SARS Products)
Background:	Background: Catalyzes the attachment of serine to tRNA(Ser) in a two-step reaction: serine is first activated by ATP to form Ser-AMP and then transferred to the acceptor end of tRNA(Ser)

Target Details

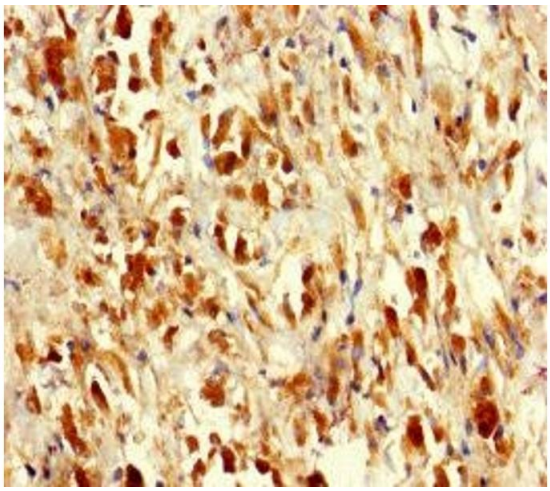
	(PubMed:22353712, PubMed:24095058, PubMed:9431993, PubMed:26433229, PubMed:28236339). Is probably also able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyl-tRNA(Sec) (PubMed:9431993, PubMed:26433229, PubMed:28236339). In the nucleus, binds to the VEGFA core promoter and prevents MYC binding and transcriptional activation by MYC (PubMed:24940000). Recruits SIRT2 to the VEGFA promoter, promoting deacetylation of histone H4 at \\\'Lys-16\\\' (H4K16). Thereby, inhibits the production of VEGFA and sprouting angiogenesis mediated by VEGFA (PubMed:19423848, PubMed:19423847, PubMed:24940000). Aliases: C78314 antibody, cytoplasmic antibody, EC 6.1.1.11 antibody, FLJ36399 antibody, sarS antibody, Sars1 antibody, Serine tRNA ligase 1, cytoplasmic antibody, Serine tRNA ligase antibody, Serine--tRNA ligase antibody, serine--tRNA ligase, cytoplasmic antibody, SerRS antibody, SERS antibody, Seryl tRNA Ser/Sec synthetase antibody, Seryl tRNA synthetase antibody, Seryl tRNA synthetase cytoplasmic antibody, Seryl-tRNA Ser/Sec synthetase antibody, Seryl-tRNA synthetase antibody, seryl-tRNA synthetase, cytoplasmic antibody, Seryl-tRNA(Ser/Sec) synthetase antibody, Strs antibody, SYSC_HUMAN antibody
UniProt:	P49591

Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

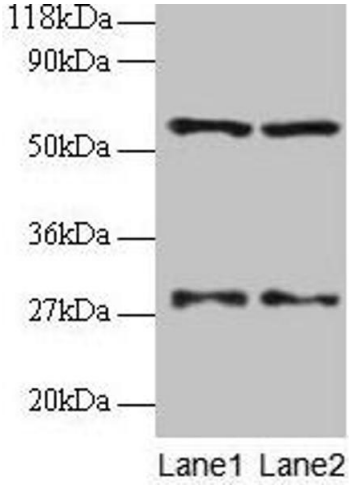
Handling

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.



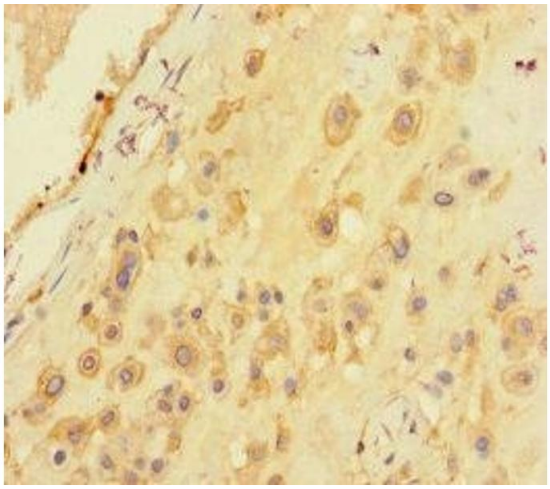
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human melanoma using ABIN7168949 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: SARS antibody at 2 µg/mL Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 59 kDa Observed band size: 59 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7168949 at dilution of 1:100

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