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Datasheet for ABIN7168952

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

## Overview

Quantity:	100 µg
Target:	Seryl-tRNA Synthetase (SARS)
Binding Specificity:	AA 2-233
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	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 ( <a href="#">SARS Products</a> )
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: Optimal working dilution should be determined by the investigator.

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.