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SARS Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11092a

Specification

SARS Antibody (N-term) Blocking peptide - Product Information

Primary Accession P49591

SARS Antibody (N-term) Blocking peptide - Additional Information

Gene ID 6301

Other Names
Serine--tRNA ligase, cytoplasmic, Seryl-tRNA synthetase, SerRS, Seryl-tRNA(Ser/Sec) synthetase, SARS, SERS

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SARS Antibody (N-term) Blocking peptide - Protein Information

Name SARS1 (HGNC:10537)

Synonyms SARS, SERS

Function
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) (PubMed:22353712, PubMed:24095058, PubMed:9431993, PubMed:26433229, PubMed:28236339, PubMed:34570399, PubMed:36041817). 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, PubMed:34570399). 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).

Cellular Location
Cytoplasm. Nucleus Note=Predominantly cytoplasmic, but a minor proportion is also found in the nucleus.

Tissue Location
Brain..

SARS Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SARS Antibody (N-term) Blocking peptide - Images

SARS Antibody (N-term) Blocking peptide - Background

This gene belongs to the class II amino-acyl tRNA family.The encoded enzyme catalyzes the transfer of L-serine to tRNA (Ser)and is related to bacterial and yeast counterparts. Multiplealternatively spliced transcript variants have been described butthe biological validity of all variants is unknown. [provided byRefSeq].

SARS Antibody (N-term) Blocking peptide - References

Fontaine-Bisson, B., et al. Diabetologia 53(10):2155-2162(2010)Herzog, W., et al. Circ. Res. 104(11):1260-1266(2009)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)