



FARS2 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP4994b

Specification

FARS2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession 095363

FARS2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10667

Other Names

Phenylalanine--tRNA ligase, mitochondrial, Phenylalanyl-tRNA synthetase, PheRS, FARS2, FARS1

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.

FARS2 Antibody (C-term) Blocking Peptide - Protein Information

Name FARS2

Synonyms FARS1

Function

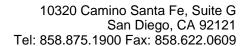
Is responsible for the charging of tRNA(Phe) with phenylalanine in mitochondrial translation. To a lesser extent, also catalyzes direct attachment of m-Tyr (an oxidized version of Phe) to tRNA(Phe), thereby opening the way for delivery of the misacylated tRNA to the ribosome and

FARS2 Antibody (C-term) Blocking Peptide - Background

FARS2 encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus.

FARS2 Antibody (C-term) Blocking Peptide - References

Ohishi, T., et al. Cancer Res. 70(5):2041-2052(2010)Zeng, Z., et al. Dev. Cell 18(2):214-225(2010)Tahmaseb, K., et al. Arch. Biochem. Biophys. 493(2):207-212(2010)





incorporation of ROS-damaged amino acid into proteins.

Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:Q6AYQ3}. Mitochondrion {ECO:0000250|UniProtKB:Q6AYQ3}

FARS2 Antibody (C-term) Blocking Peptide - Protocols

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

• Blocking Peptides