

**FARS2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4994b****Specification****FARS2 Antibody (C-term) Blocking Peptide -  
Product Information**Primary Accession [O95363](#)**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](#)