

**FARSB Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14090b****Specification**

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**FARSB Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q9NSD9](#)**FARSB Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 10056**Other Names**

Phenylalanine--tRNA ligase beta subunit, Phenylalanyl-tRNA synthetase beta subunit, PheRS, FARSB, FARSLB, FRSB

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14090b was selected from the C-term region of FARSB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**FARSB Antibody (C-term) Blocking peptide - Protein Information****Name** FARSB**Synonyms** FARSLB, FRSB**Cellular Location**

Cytoplasm.

**FARSB Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**FARSB Antibody (C-term) Blocking peptide - Images**

**FARSB Antibody (C-term) Blocking peptide - Background**

This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10 has been identified.

**FARSB Antibody (C-term) Blocking peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Finarov, I., et al. Structure 18(3):343-353(2010) Yu, X.Y., et al. Bioorg. Med. Chem. Lett. 14(5):1339-1342(2004) Vasil'eva, I.A., et al. Biochemistry Mosc. 69(2):143-153(2004) Moor, N., et al. Biochemistry 42(36):10697-10708(2003)