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PARS2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7782c

Specification

PARS2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q7L3T8
Other Accession	NP_689481

PARS2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 25973

Other Names
Probable proline--tRNA ligase, mitochondrial, Prolyl-tRNA synthetase, ProRS, PARS2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7782c was selected from the Center region of human PARS2. 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.

PARS2 Antibody (Center) Blocking Peptide - Protein Information

Name PARS2 (HGNC:30563)

Function
Mitochondrial aminoacyl-tRNA synthetase that catalyzes the specific attachment of the proline amino acid (aa) to the homologous transfer RNA (tRNA), further participating in protein synthesis. The reaction occurs in a two steps: proline is first activated by ATP to form Pro-AMP and then transferred to the acceptor end of tRNA(Pro).

Cellular Location
Mitochondrion matrix

PARS2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PARS2 Antibody (Center) Blocking Peptide - Images

PARS2 Antibody (Center) Blocking Peptide - Background

PARS2 catalyzes the attachment of proline to tRNA(Pro) in a two-step reaction: proline is first activated by ATP to form Pro-AMP and then transferred to the acceptor end of tRNA(Pro).

PARS2 Antibody (Center) Blocking Peptide - References

Bonnefond,L., Biochemistry 44 (12), 4805-4816 (2005)