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Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP7841b

Specification

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q96GW9

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Additional Information

Gene ID 92935

Other Names
Methionine--tRNA ligase, mitochondrial, Methionyl-tRNA synthetase 2, Mitochondrial methionyl-tRNA synthetase, MtMetRS, MARS2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7841b was selected from the C-term region of human MARS2. 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.

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Protein Information

Name MARS2

Cellular Location
Mitochondrion matrix.

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Images

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Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Background

Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNAMet AMP + diphosphate + L-methionyl-tRNAMet.This enzyme participates in three metabolic pathways: methionine metabolism, selenoamino acid metabolism, and aminoacyl-tRNA biosynthesis.

Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - References

Spencer,A.C., Biochemistry 43 (30), 9743-9754 (2004)