

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](/products/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**Methionyl tRNA Synthetase Antibody (C-term) Blocking peptide - Background**

Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNA^{Met} AMP + diphosphate + L-methionyl-tRNA^{Met}. 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)

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](#)