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# MARS2 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP7841a**

## Specification

### MARS2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q96GW9

### MARS2 Antibody (N-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 <a href=/products/AP7841a>AP7841a</a> was selected from the N-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.

### MARS2 Antibody (N-term) Blocking Peptide - Protein Information

**Name** MARS2

### MARS2 Antibody (N-term) Blocking Peptide - Background

Methionine-tRNA ligase (MARS2) (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNAMet AMP + diphosphate + L-methionyl-tRNAMetThe 3 substrates of this enzyme are ATP, L-methionine, and tRNA(Met), whereas its 3 products are AMP, diphosphate, and L-methionyl-tRNA(Met).This enzyme participates in 3 metabolic pathways: methionine metabolism, selenoamino acid metabolism, and aminoacyl-tRNA biosynthesis.

### MARS2 Antibody (N-term) Blocking Peptide - References

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

**Cellular Location**
Mitochondrion matrix.

## MARS2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides