

### 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 <a href="Q96GW9">Q96GW9</a>

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 <a href=/products/AP7841b>AP7841b</a> 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

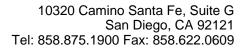
Name MARS2

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

Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + 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)





**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