

## NARS2 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP7585a

### **Specification**

## NARS2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

**096159** 

# NARS2 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 79731

#### **Other Names**

Probable asparagine--tRNA ligase, mitochondrial, Asparaginyl-tRNA synthetase, AsnRS, NARS2

## Target/Specificity

The synthetic peptide sequence used to generate the antibody <a

href=/products/AP7585a>AP7585a</a> was selected from the N-term region of human NARS2. 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.

## NARS2 Antibody (N-term) Blocking Peptide - Protein Information

Name NARS2 (HGNC:26274)

#### **Function**

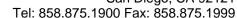
Mitochondrial aminoacyl-tRNA synthetase that catalyzes the specific attachment of the asparagine amino acid (aa) to the homologous transfer RNA (tRNA), further participating in protein synthesis (PubMed:<a href="http://www.uniprot.org/citations/25385316" target="\_blank">25385316</a>). The reaction occurs in a two steps: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn) (Probable).

### **Cellular Location**

Mitochondrion matrix. Mitochondrion

# NARS2 Antibody (N-term) Blocking Peptide - Protocols







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

# • Blocking Peptides

NARS2 Antibody (N-term) Blocking Peptide - Images

NARS2 Antibody (N-term) Blocking Peptide - Background

Asparagine-tRNA ligase (EC 6.1.1.22) catalyzes the chemical reaction: ATP + L-asparagine + tRNAAsn AMP + diphosphate + L-asparaginyl-tRNAAsn. This enzyme participates in alanine and aspartate metabolism and aminoacyl-tRNA biosynthesis.

NARS2 Antibody (N-term) Blocking Peptide - References

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