

**HARS2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7584a****Specification**

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**HARS2 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P49590](#)

**HARS2 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 23438

**Other Names**

Probable histidine--tRNA ligase, mitochondrial, Histidine--tRNA ligase-like, Histidyl-tRNA synthetase, HisRS, HARS2, HARSL, HARSR, HO3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7584a](/products/AP7584a) was selected from the N-term region of human HARS2. 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.

**HARS2 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** HARS2

**Synonyms** HARSL, HARSR, HO3

**Function**

Mitochondrial aminoacyl-tRNA synthetase that catalyzes the ATP-dependent ligation of histidine to the 3'-end of its cognate tRNA, via the formation of an aminoacyl-adenylate intermediate (His-AMP).

**Cellular Location**

Mitochondrion.

**Tissue Location**

A high level expression is seen in the heart, kidney and skeletal muscle while a lower level

expression is seen in the brain and liver

### **HARS2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **HARS2 Antibody (N-term) Blocking Peptide - Images**

### **HARS2 Antibody (N-term) Blocking Peptide - Background**

HARS2 is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Functioning in the synthesis of histidyl-transfer RNA, this enzyme plays an accessory role in the regulation of protein biosynthesis.

### **HARS2 Antibody (N-term) Blocking Peptide - References**

Freist,W., Biol. Chem. 380 (6), 623-646 (1999)O'Hanlon,T.P., Biochem. Biophys. Res. Commun. 210 (2), 556-566 (1995)Tsui,H.W.,Gene 131 (2), 201-208 (1993)