10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HARS2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7584b

Specification

HARS2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P49590

HARS2 Antibody (C-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 AP7584b was selected from the C-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 (C-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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HARS2 Antibody (C-term) Blocking Peptide - Images

HARS2 Antibody (C-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 (C-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)