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RARS Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11091b

Specification

RARS Antibody (C-term) Blocking peptide - Product Information

Primary Accession P54136

RARS Antibody (C-term) Blocking peptide - Additional Information

Gene ID 5917

Other Names
Arginine--tRNA ligase, cytoplasmic, Arginyl-tRNA synthetase, ArgRS, RARS

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.

RARS Antibody (C-term) Blocking peptide - Protein Information

Name RARS1 (HGNC:9870)

Synonyms RARS

Function
Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis (PubMed:25288775). Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1 (PubMed:17443684).

Cellular Location
Cytoplasm. Cytoplasm, cytosol

RARS Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

RARS Antibody (C-term) Blocking peptide - Images

RARS Antibody (C-term) Blocking peptide - Background

Aminoacyl-tRNA synthetases catalyze the aminoacylation oftRNA by their cognate amino acid. Because of their central role inlinking amino acids with nucleotide triplets contained in tRNAs,aminoacyl-tRNA synthetases are thought to be among the firstproteins that appeared in evolution. Arginyl-tRNA synthetasebelongs to the class-I aminoacyl-tRNA synthetase family. [providedby RefSeq].

RARS Antibody (C-term) Blocking peptide - References

Bottoni, A., et al. J. Cell. Physiol. 212(2):293-297(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Ling, C., et al. J. Biol. Chem. 280(41):34755-34763(2005)Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003)Kaminska, M., et al. Biochemistry 40(47):14309-14316(2001)