

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

RARS Antibody (C-term) Blocking peptide - Product InformationPrimary 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 of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by 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)