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

RARS Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7988c

Specification

RARS Antibody (Center) Blocking Peptide - Product Information

Primary Accession P54136

RARS Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5917

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7988c was selected from the Center region of human RARS. 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.

RARS Antibody (Center) 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

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RARS Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

RARS Antibody (Center) Blocking Peptide - Images

RARS Antibody (Center) 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.

RARS Antibody (Center) Blocking Peptide - References

Bottoni,A., J. Cell. Physiol. 212 (2), 293-297 (2007)Ling,C., J. Biol. Chem. 280 (41), 34755-34763 (2005)Girjes,A.A., Gene 164 (2), 347-350 (1995)