

CARS Antibody (C-term E689) Blocking Peptide
Synthetic peptide
Catalog # BP7777d**Specification**

CARS Antibody (C-term E689) Blocking Peptide - Product Information

Primary Accession [P49589](#)
Other Accession [NP_001742](#)

CARS Antibody (C-term E689) Blocking Peptide - Additional Information

Gene ID 833

Other Names

Cysteine--tRNA ligase, cytoplasmic, Cysteinyl-tRNA synthetase, CysRS, CARS

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7777d](/products/AP7777d) was selected from the C-term region of human CARS. 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.

CARS Antibody (C-term E689) Blocking Peptide - Protein Information

Name CARS1 ([HGNC:1493](#))

Synonyms CARS

Function

Catalyzes the ATP-dependent ligation of cysteine to tRNA(Cys).

Cellular Location

Cytoplasm.

CARS Antibody (C-term E689) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CARS Antibody (C-term E689) Blocking Peptide - Images

CARS Antibody (C-term E689) Blocking Peptide - Background

CARS is a class 1 aminoacyl-tRNA synthetase, cysteinyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid.

CARS Antibody (C-term E689) Blocking Peptide - References

Liu,C., J. Mol. Biol. 367 (4), 1063-1078 (2007)Cools,J., Genes Chromosomes Cancer 34 (4), 354-362 (2002)Davidson,E., Biol. Chem. 382 (3), 399-406 (2001)Kim,J.E., Nucleic Acids Res. 28 (15), 2866-2872 (2000)