

## 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 <a href=/products/AP7777d>AP7777d</a> 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

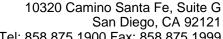
### **Function**

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

# **Cellular Location**

Cytoplasm.

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





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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)