

DARS Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11088a**Specification**

DARS Antibody (N-term) Blocking peptide - Product Information

Primary Accession [P14868](#)

DARS Antibody (N-term) Blocking peptide - Additional Information

Gene ID 1615

Other Names

Aspartate--tRNA ligase, cytoplasmic, Aspartyl-tRNA synthetase, AspRS, Cell proliferation-inducing gene 40 protein, DARS

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.

DARS Antibody (N-term) Blocking peptide - Protein Information

Name DARS1 ([HGNC:2678](#))

Synonyms DARS

Function

Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.

Cellular Location

Cytoplasm, cytosol.

Tissue Location

Expression in the developing and adult brain shows similar patterns. Highly expressed in the ventricular and subventricular zones, including hippocampal subfields, the midlateral temporal cortex and the frontal polar cortex. The cerebellum, cerebral cortex, hippocampus, and lateral ventricle show preferential neuronal expression. Expression in the peripheral neurons is evident in the colon.

DARS Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DARS Antibody (N-term) Blocking peptide - Images**DARS Antibody (N-term) Blocking peptide - Background**

Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis.

DARS Antibody (N-term) Blocking peptide - References

Wu, C., et al. Proteomics 7(11):1775-1785(2007) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007) Ling, C., et al. J. Biol. Chem. 280(41):34755-34763(2005) Bonnefond, L., et al. Biochemistry 44(12):4805-4816(2005)