

LARS2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7980a**Specification**

LARS2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15031](#)**LARS2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23395**Other Names**

Probable leucine--tRNA ligase, mitochondrial, Leucyl-tRNA synthetase, LeuRS, LARS2, KIAA0028

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7980a](/products/AP7980a) was selected from the N-term region of human LARS2. 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.

LARS2 Antibody (N-term) Blocking Peptide - Protein Information**Name** LARS2 ([HGNC:17095](#))**Synonyms** KIAA0028**Function**

Catalyzes the attachment of leucine to its cognate tRNA.

Cellular Location

Mitochondrion matrix.

Tissue Location

Ubiquitously expressed, but highest expression in tissues with high metabolic rates, such as skeletal muscle, heart, and kidney.

LARS2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LARS2 Antibody (N-term) Blocking Peptide - Images

LARS2 Antibody (N-term) Blocking Peptide - Background

LARS2 is a class 1 aminoacyl-tRNA synthetase, mitochondrial leucyl-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.

LARS2 Antibody (N-term) Blocking Peptide - References

Park,H., RNA 14 (11), 2407-2416 (2008)'t Hart,L.M., Diabetes 54 (6), 1892-1895 (2005)Sohm,B., J. Mol. Biol. 339 (1), 17-29 (2004)Yao,Y.N., Protein Expr. Purif. 30 (1), 112-116 (2003)