

YARS2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7838a**Specification**

YARS2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y2Z4](#)**YARS2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 51067**Other Names**

Tyrosine--tRNA ligase, mitochondrial, Tyrosyl-tRNA synthetase, TyrRS, YARS2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7838a](/products/AP7838a) was selected from the N-term region of human YARS2. 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.

YARS2 Antibody (N-term) Blocking Peptide - Protein Information**Name** YARS2**Function**

Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two- step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr).

Cellular Location

Mitochondrion matrix

YARS2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

YARS2 Antibody (N-term) Blocking Peptide - Images

YARS2 Antibody (N-term) Blocking Peptide - Background

YARS2 catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr)

YARS2 Antibody (N-term) Blocking Peptide - References

Bonnefond,L., Structure 15 (11), 1505-1516 (2007)Bonnefond,L., RNA 11 (5), 558-562 (2005)Bonnefond,L., Biochemistry 44 (12), 4805-4816 (2005)