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TARS2 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11450b

Specification

TARS2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9BW92

TARS2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 80222

Other Names
Threonine--tRNA ligase, mitochondrial, Threonyl-tRNA synthetase, ThrRS, Threonyl-tRNA synthetase-like 1, TARS2, TARSL1

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.

TARS2 Antibody (C-term) Blocking peptide - Protein Information

Name TARS2

Synonyms TARSL1

Function
Catalyzes the attachment of threonine to tRNA(Thr) in a two- step reaction: threonine is first activated by ATP to form Thr-AMP and then transferred to the acceptor end of tRNA(Thr). Also edits incorrectly charged tRNA(Thr) via its editing domain.

Cellular Location
Mitochondrion matrix.

TARS2 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

TARS2 Antibody (C-term) Blocking peptide - Images

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TARS2 Antibody (C-term) Blocking peptide - Background

TARS2 is a Threonyl-tRNA synthetase, catalysing the reaction: ATP + L-threonine + tRNA(Thr) = AMP + diphosphate + L-threonyl-tRNA.

TARS2 Antibody (C-term) Blocking peptide - References

Reiling, E., et al. Eur. J. Hum. Genet. 17(8):1056-1062(2009)Bonnefond, L., et al. Biochemistry 44(12):4805-4816(2005)