

NSUN3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11287a**Specification**

NSUN3 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9H649](#)**NSUN3 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 63899**Other Names**

Putative methyltransferase NSUN3, 211-, NOL1/NOP2/Sun domain family member 3, NSUN3

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.

NSUN3 Antibody (N-term) Blocking peptide - Protein Information**Name** NSUN3 ([HGNC:26208](#))**Function**

Mitochondrial tRNA methyltransferase that mediates methylation of cytosine to 5-methylcytosine (m5C) at position 34 of mt- tRNA(Met) (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) methylation at cytosine(34) takes place at the wobble position of the anticodon and initiates the formation of 5- formylcytosine (f(5)c) at this position (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) containing the f(5)c modification at the wobble position enables recognition of the AUA codon in addition to the AUG codon, expanding codon recognition in mitochondrial translation (PubMed:27497299, PubMed:27356879).

Cellular Location

Mitochondrion matrix

NSUN3 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

NSUN3 Antibody (N-term) Blocking peptide - Images**NSUN3 Antibody (N-term) Blocking peptide - Background**

May have S-adenosyl-L-methionine-dependent methyl-transferase activity (Potential).

NSUN3 Antibody (N-term) Blocking peptide - References

Trynka, G., et al. Gut 58(8):1078-1083(2009)Lamesch, P., et al. Genomics 89(3):307-315(2007)