10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NSUN3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11287a

Specification

NSUN3 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H649
Other Accession	NP_071355.1
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38244**
Antigen Region	**83-112**

NSUN3 Antibody (N-term) - Additional Information

Gene ID 63899

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

Target/Specificity
This NSUN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-112 amino acids from the N-terminal region of human NSUN3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NSUN3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NSUN3 Antibody (N-term) - 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).

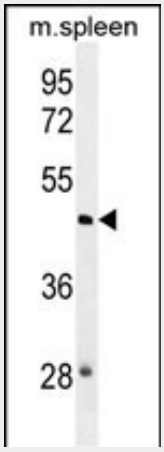
Cellular Location
Mitochondrion matrix

NSUN3 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NSUN3 Antibody (N-term) - Images



NSUN3 Antibody (N-term) (Cat. #AP11287a) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the NSUN3 antibody detected the NSUN3 protein (arrow).

NSUN3 Antibody (N-term) - Background

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

NSUN3 Antibody (N-term) - References

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