

NSUN5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57538**Specification****NSUN5 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96P11
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46692

NSUN5 Polyclonal Antibody - Additional Information**Gene ID** 55695**Other Names**

28S rRNA (cytosine-C(5))-methyltransferase, 2.1.1.-, NOL1-related protein
{ECO:0000312|HGNC:HGNC:16385}, NOL1R {ECO:0000312|HGNC:HGNC:16385}, NOL1/NOP2/Sun
domain family member 5, Williams-Beuren syndrome chromosomal region 20A protein, NSUN5
{ECO:0000303|PubMed:23913415, ECO:0000312|HGNC:HGNC:16385}

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NSUN5 Polyclonal Antibody - Protein Information**Name** NSUN5 {ECO:0000303|PubMed:23913415, ECO:0000312|HGNC:HGNC:16385}**Function**

S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C(5) position of cytosine 3782 (m5C3782) in 28S rRNA (PubMed:23913415, PubMed:31428936, PubMed:31722427). m5C3782 promotes protein translation without affecting ribosome biogenesis and fidelity (PubMed:31428936, PubMed:31428936, PubMed:31428936).

href="http://www.uniprot.org/citations/31722427" target="_blank">31722427). Required for corpus callosum and cerebral cortex development (By similarity).

Cellular Location

Nucleus, nucleolus.

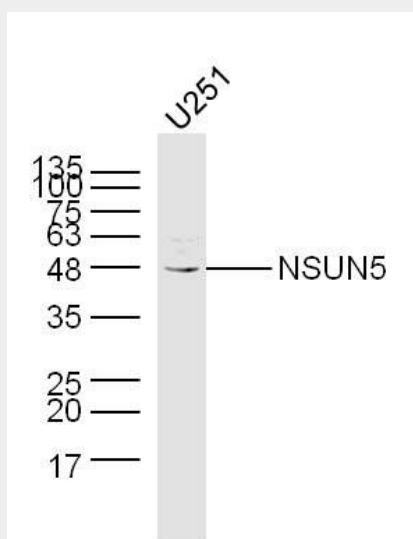
Tissue Location

Ubiquitous (PubMed:11978965, PubMed:12073013). Detected in placenta, heart and skeletal muscle (PubMed:11978965, PubMed:12073013).

NSUN5 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NSUN5 Polyclonal Antibody - Images

Protein: U251(human)cell lyates at 40ug;
Primary: Rabbit Anti-NSUN5 (bs-19480R) at 1:300;
Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000;
Predicted band size:47 kD Observed band size:47 kD