

NSUN6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57542

Specification

NSUN6 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TEA1
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NSUN6
Epitope Specificity	51-150/469
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the methyltransferase superfamily. RsmB/NOP family. Contains 1 PUA domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

NSUN6 Polyclonal Antibody - Additional Information

Gene ID 221078

Other Names

tRNA (cytosine(72)-C(5))-methyltransferase NSUN6, 2.1.1.-, NOL1/NOP2/Sun and PUA domain-containing protein 1, NOL1/NOP2/Sun domain family member 6, NSUN6 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23529 target="_blank">HGNC:23529), NOPD1

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.

NSUN6 Polyclonal Antibody - Protein Information

Name NSUN6 ([HGNC:23529](#))

Synonyms NOPD1

Function

S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C5 position of cytosine 72 in tRNA(Thr)(TGT) and tRNA(Cys)(GCA) (PubMed:26160102, PubMed:27703015, PubMed:28531330). In vitro also methylates tRNA(Thr)(AGT) (PubMed:26160102, PubMed:27703015). Methylation requires, in the acceptor stem region, the presence of the 3'-CCA terminus, the target site C72, the discriminator base U73, and the second and third base pairs (2:71 and 3:70) in the tRNA substrates (PubMed:26160102, PubMed:27703015).

Cellular Location

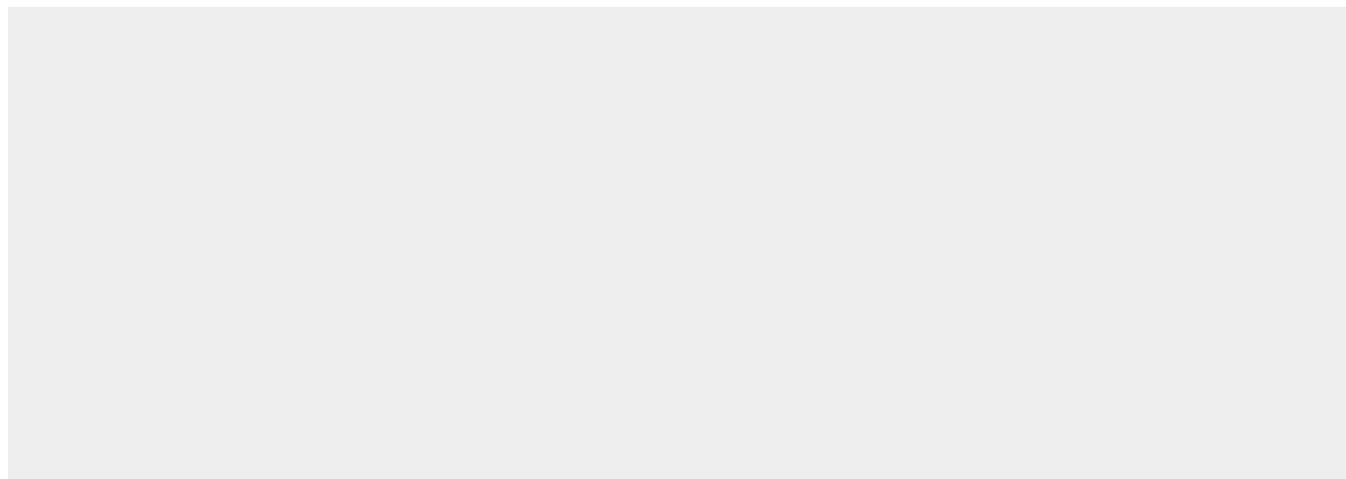
Cytoplasm.

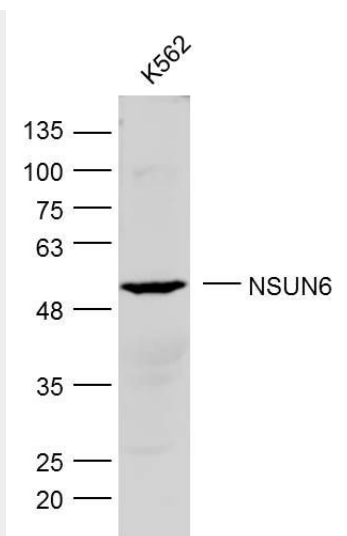
NSUN6 Polyclonal Antibody - Protocols

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](#)

NSUN6 Polyclonal Antibody - Images





Sample:

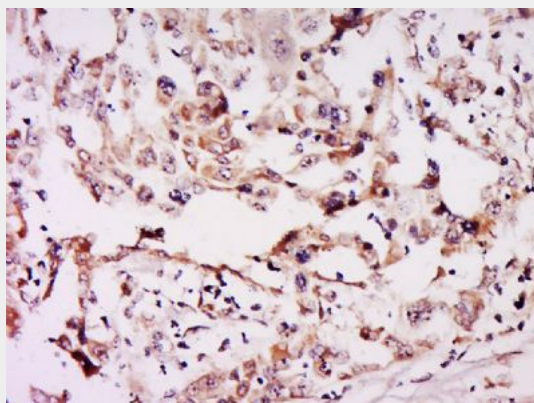
K562 Cell (Human) Lysate at 30 ug

Primary: Anti- NSUN6 (bs-19484R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

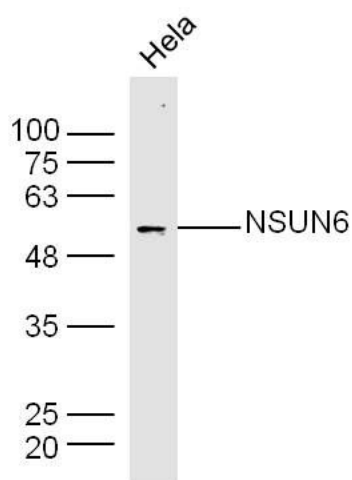
Observed band size: 52 kD



Tissue/cell: human breast cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37n for 20 min;

Incubation: Anti-NSUN6 Polyclonal Antibody, Unconjugated(bs-19484R) 1:500, overnight at 4ΣC, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample: HeLa (human)Cell Lysate at 40 ug
Primary: Anti-NSUN6(bs-19484R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kD
Observed band size: 52 kD