

NSUN6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57542

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TEA1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51770
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.

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 (HGNC:23529), NOPD1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

Name	NSUN6 (HGNC:23529)
Synonyms	NOPD1

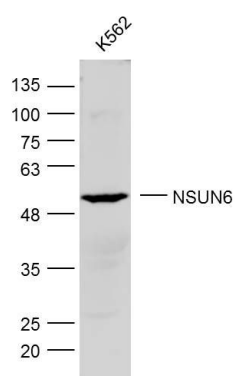
Function

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

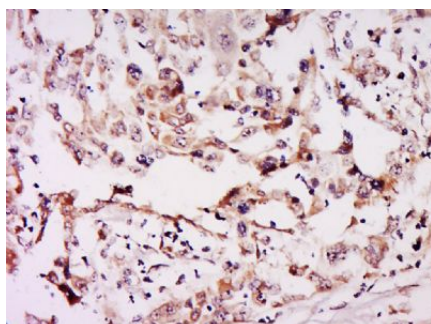
Cytoplasm.

Images

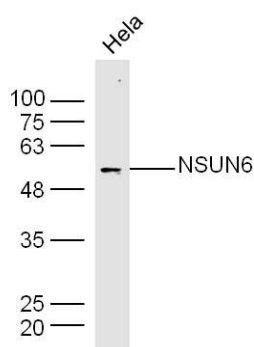


Sample:

K562 Cell (Human) Lysate at 30 ug
Primary: Anti- NSUN6 (AP57542) 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 37 °C for 20 min;
Incubation: Anti-NSUN6 Polyclonal Antibody, Unconjugated(AP57542) 1:500, overnight at 4 °C, 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(AP57542) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kD
Observed band size: 52 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.