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NSUN6 Rabbit pAb

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Catalog # AP57542

Product Information

Application	WB, IHC-P, IHC-F, IF
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.
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,IF=1:100-500
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

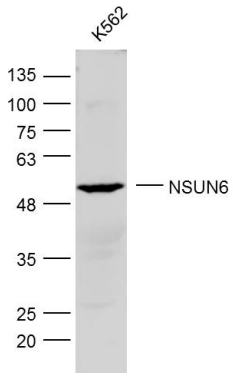
presence of the 3'-CCA terminus, the target site C72, the discriminator base U73, and the second and third base pairs (2:71 and 3:70) in the tRNA substrates (PubMed:26160102, PubMed:27703015).

Cellular Location Cytoplasm.

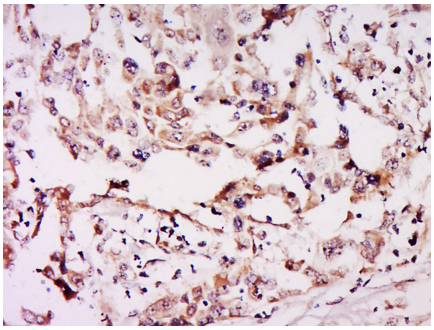
Background

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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∩ 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

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