

NSUN4 Antibody

Catalog No: #48258



Package Size: #48258-1 50ul #48258-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

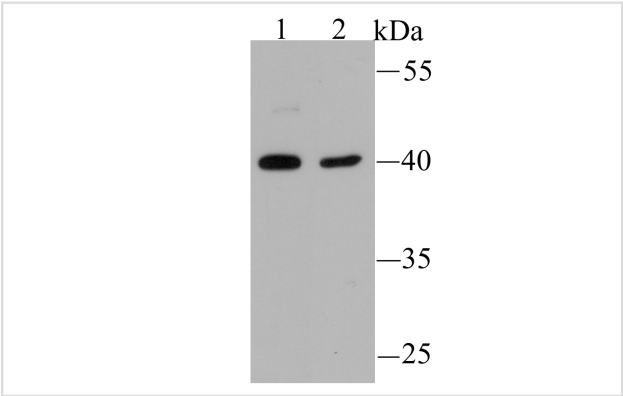
Description

Product Name	NSUN4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	5 methylcytosine rRNA methyltransferase NSUN4 antibody EC=2.1.1.- antibody NOL1/NOP2/Sun domain family member 4 antibody NOL1/NOP2/Sun domain family, member 4 antibody NOP2/Sun domain family, member 4 antibody Nsun4 antibody NSUN4_HUMAN antibody Putative methyltransferase NSUN4 antibody RP4-603I14.2 antibody Shtap antibody Sperm head and tail associated protein antibody
Accession No.	Swiss-Prot#:Q96CB9
Uniprot	Q96CB9
GeneID	387338;
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

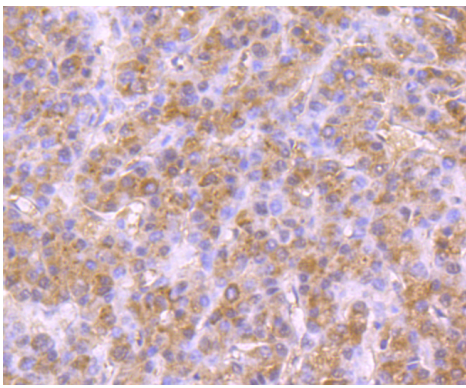
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200ICC: 1:50-1:200

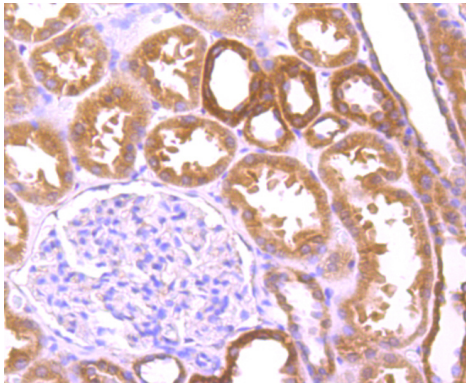
Images



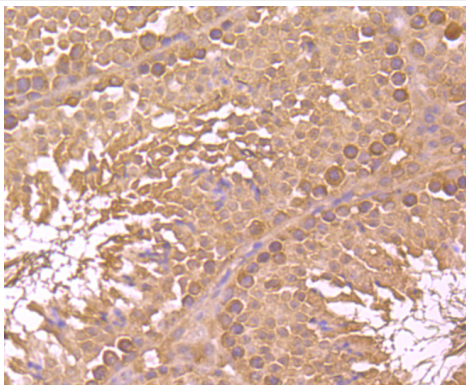
Western blot analysis of NSUN4 on different cell lysates using anti-NSUN4 antibody at 1/1,000 dilution.  
Positive control 1: MCF-7  
Lane2: 293



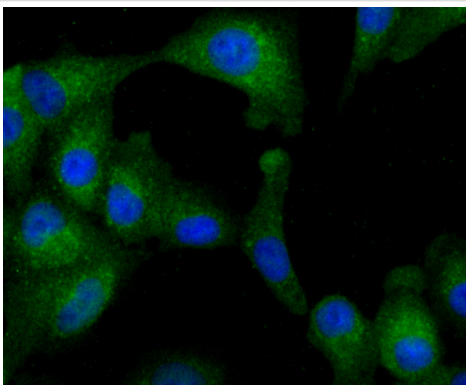
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-NSUN4 antibody. Counter stained with hematoxylin.



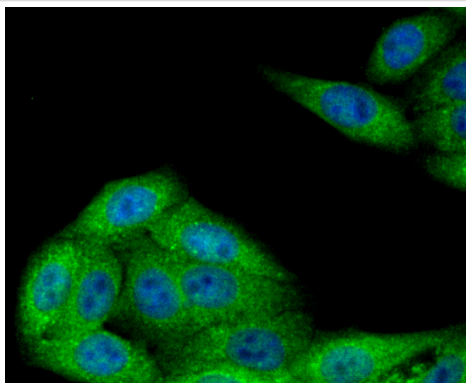
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-NSUN4 antibody. Counter stained with hematoxylin.



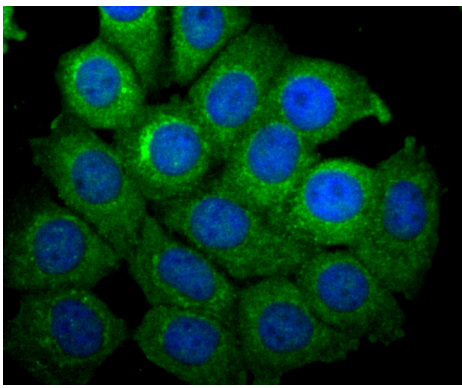
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-NSUN4 antibody. Counter stained with hematoxylin.



ICC staining NSUN4 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NSUN4 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NSUN4 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Involved in mitochondrial ribosome assembly. 5-methylcytosine rRNA methyltransferase that probably is involved in mitochondrial ribosome small subunit (SSU) maturation by methylation of mitochondrial 12S rRNA; the function is independent of MTERFD2/MTERF4 and assembled mitochondrial ribosome large subunit (LSU). Targeted to LSU by MTERFD2/MTERF4 and probably is involved in a final step in ribosome biogenesis to ensure that SSU and LSU are assembled. In vitro can methylate 16S rRNA of the LSU; the methylation is enhanced by MTERFD/MTERF4.

## References

Note: This product is for in vitro research use only