

For Research Use Only

NSUN6 Polyclonal antibody

Catalog Number: 17240-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

17240-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11084

GenBank Accession Number:

BC035778

GeneID (NCBI):

221078

UNIPROT ID:

Q8TEA1

Full Name:

NOL1/NOP2/Sun domain family, member 6

Calculated MW:

469 aa, 52 kDa

Observed MW:

52-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Neuro-2a cells, HEK-293 cells, HepG2 cells, mouse brain

IHC : human colon cancer tissue,

Background Information

NSUN6 is an RNA methyltransferase that catalyzes the methylation at position cytosine C72 in some tRNAs. NSUN6 has been reported to localize to the cytoplasm and largely colocalize with Golgi apparatus and pericentriolar matrix, indicating that NSUN6 modifies tRNAs in a late step in their biogenesis. NSUN6 may also play a major role in bone metastasis and could be a valuable therapeutic target for bone metastasis.

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Huang	31061524	Nat Struct Mol Biol	WB
Nikoletta A Gkatza	31199786	PLoS Biol	WB
Tommaso Selmi	33330931	Nucleic Acids Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

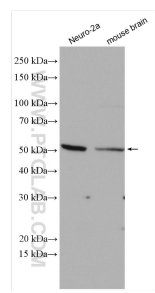
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

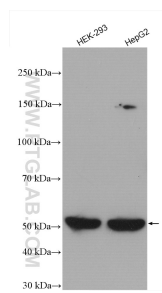
E: proteintech@ptglab.com
W: ptglab.com

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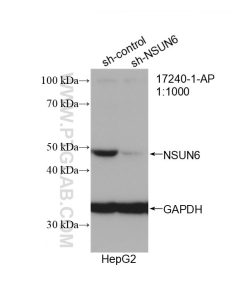
Selected Validation Data



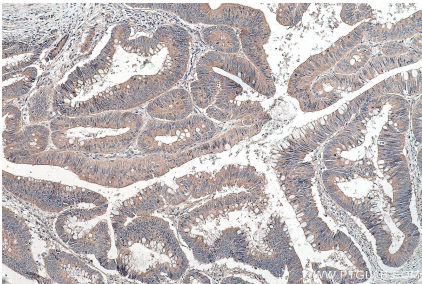
Various lysates were subjected to SDS PAGE followed by western blot with 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



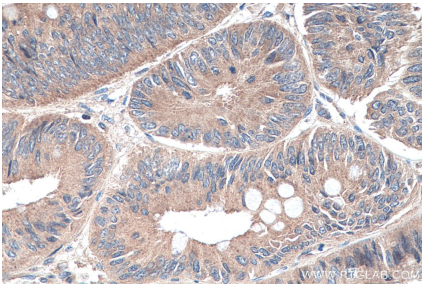
Various lysates were subjected to SDS PAGE followed by western blot with 17240-1-AP (NSUN6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of NSUN6 antibody (17240-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NSUN6 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).