

Datasheet for ABIN7173496
anti-NSUN2 antibody (AA 432-509)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	NSUN2
Binding Specificity:	AA 432-509
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human tRNA (cytosine(34)-C(5))-methyltransferase protein (432-509AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	NSUN2
Alternative Name:	NSUN2 (NSUN2 Products)
Background:	Background: RNA methyltransferase that methylates tRNAs, and possibly RNA polymerase III transcripts. Methylates cytosine to 5-methylcytosine (m5C) at positions 34 and 48 of intron-

Target Details

containing tRNA(Leu)(CAA) precursors, and at positions 48, 49 and 50 of tRNA(Gly)(GCC) precursors. May act downstream of Myc to regulate epidermal cell growth and proliferation. Required for proper spindle assembly and chromosome segregation, independently of its methyltransferase activity.

Aliases: 5 methycytosine methyltransferase antibody, D13Wsu123e antibody, FLJ20303 antibody, hTrm4 antibody, MISU antibody, Myc induced SUN domain containing protein antibody, NOL1/NOP2/Sun domain family 2 antibody, NOL1/NOP2/Sun domain family 2 protein antibody, NOL1/NOP2/Sun domain family member 2 antibody, NSUN 2 antibody, NSUN2 antibody, NSUN2_HUMAN antibody, SAKI antibody, Substrate of AIM1/Aurora kinase B antibody, TRM4 antibody, tRNA (cytosine 5) methyltransferase antibody, tRNA (cytosine 5) methyltransferase NSUN2 antibody, tRNA (cytosine(34)-C(5))-methyltransferase antibody, tRNA (cytosine-5-)-methyltransferase antibody, tRNA methyltransferase 4 homolo antibody, tRNA methyltransferase 4 homolog antibody

UniProt: [Q08J23](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

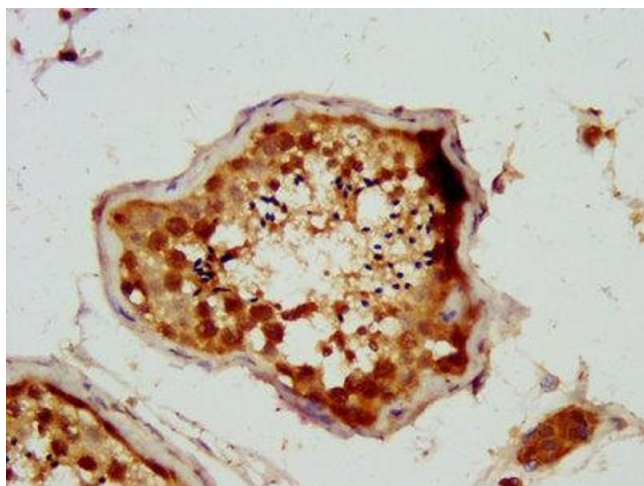
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

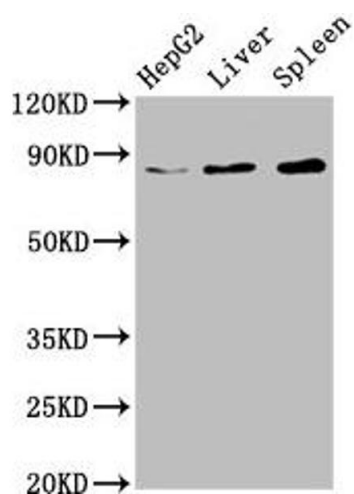
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



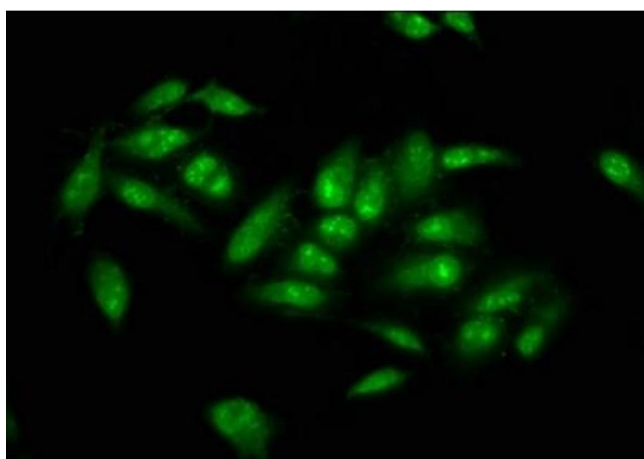
Immunohistochemistry

Image 1. IHC image of ABIN7173496 diluted at 1:200 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, Rat liver tissue, Mouse spleen tissue All lanes: NSUN2 antibody at 6.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 87, 83, 60 kDa Observed band size: 87 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HeLa cells with ABIN7173496 at 1:66, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).