

NSUN2 Rabbit pAb

Catalog No.: A3443

Basic Information

Observed MW

100kDa

Calculated MW

86kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a methyltransferase that catalyzes the methylation of cytosine to 5-methylcytosine (m5C) at position 34 of intron-containing tRNA(Leu)(CAA) precursors. This modification is necessary to stabilize the anticodon-codon pairing and correctly translate the mRNA. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Recommended Dilutions

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IHC-P | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

| | |
|---------|------------|
| Gene ID | Swiss Prot |
| 54888 | Q08J23 |

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 617-708 of human NSUN2 (NP_060225.4).

Synonyms

MISU; MRT5; SAKI; TRM4; NSUN2

Contact

 | www.abclonal.com

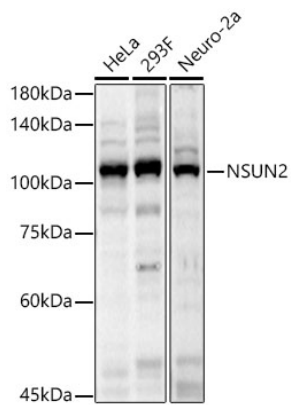
Product Information

| | | |
|--------|---------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

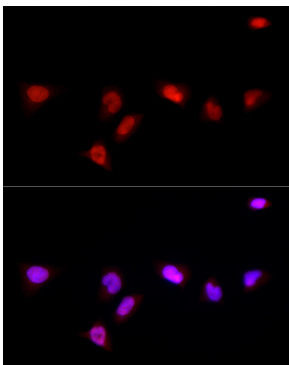
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using NSUN2 Rabbit pAb (A3443) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates / proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



Immunofluorescence analysis of HeLa cells using NSUN2 Rabbit pAb (A3443) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.