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Datasheet

NSUN2 polyclonal antibody

Catalog Number: PAB23182

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against recombinant NSUN2.

Immunogen: Recombinant protein corresponding to amino acids of human NSUN2.

Sequence:
PFVFIPEDDPLFPPIEKFYALDPSFPRMNLLTRTTEGKK RQLYMVSKELRNVLLNNSEKMKVINTGIKVWCRNNSG EEFDCAFRLAQ

Host: Rabbit

Reactivity: Human

Applications: IF, IHC-P
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Antigen affinity purification

Isotype: IgG

Recommend Usage: Immunohistochemistry (1:500-1:1000)
Immunofluorescence (1-4 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.5 (40% glycerol, 0.02% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 54888

Gene Symbol: NSUN2

Gene Alias: FLJ20303, MISU, SAKI, TRM4

Gene Summary: Maturation of cytoplasmic tRNAs includes splicing of introns, which are located 1 nucleotide 3-prime from the anticodon in all intron-containing tRNA genes. In tRNA-leu(CAA), the first position of the anticodon, C34, is converted to 5-methylcytosine, a modification necessary to stabilize the anticodon-codon pairing and correctly translate the mRNA. NSUN2 encodes a methyltransferase that catalyzes the intron-dependent formation of 5-methylcytosine at C34 of tRNA-leu(CAA) (Brzezicha et al., 2006 [PubMed 17071714]).[supplied by OMIM]