

NSUN2 rabbit pAb

Cat No.:ES14446

For research use only

Overview

Product Name	NSUN2 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse
Recommended dilutions	WB 1:500-2000
Immunogen	Synthesized peptide derived from human NSUN2 AA range: 658-708
Specificity	This antibody detects endogenous levels of NSUN2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	NSUN2
Gene Name	NSUN2 SAKI TRM4
Cellular localization	Nucleus, nucleolus . Cytoplasm . Mitochondrion . Cytoplasm, cytoskeleton, spindle . Secreted, extracellular exosome . Concentrated in the nucleolus during interphase and translocates to the spindle during mitosis as an RNA-protein complex that includes 18
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	85kD
Human Gene ID	54888
Human Swiss-Prot Number	Q08J23
Alternative Names	tRNA (cytosine(34)-C(5))-methyltransferase (EC 2.1.1.203) (Myc-induced SUN domain-containing protein) (Misu) (NOL1/NOP2/Sun domain family member 2) (Substrate of AIM1/Aurora kinase B) (tRNA (cytosine-5)-methyltransferase) (tRNA

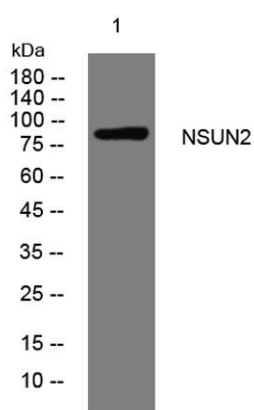




Background

methyltransferase 4 homolo

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.[provided by RefSeq, Mar 2011],



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4°over night

