

Datasheet for ABIN654767
anti-NSUN2 antibody (AA 423-451)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	NSUN2
Binding Specificity:	AA 423-451
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This NSUN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 423-451 amino acids from the Central region of human NSUN2.
Clone:	RB28701
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NSUN2
Alternative Name:	NSUN2 (NSUN2 Products)
Background:	Maturation of cytoplasmic tRNAs includes splicing of introns, which are located 1 nucleotide 3-

Target Details

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]).

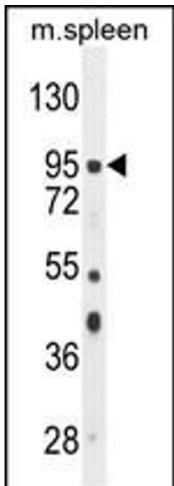
Molecular Weight:	86471
Gene ID:	54888
NCBI Accession:	NP_001180384 , NP_060225
UniProt:	Q08J23

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

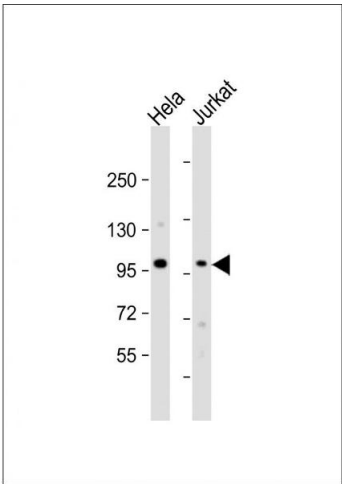
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. NSUN2 Antibody (Center) (ABIN654767 and ABIN2844447) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the NSUN2 antibody detected the NSUN2 protein (arrow).



Western Blotting

Image 2. All lanes : Anti-NSUN2 Antibody (Center) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.