Datasheet for ABIN630733
anti-NSUN2 antibody (C-Term)
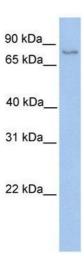
1 Image

Overview

Quantity:	100 μL
Target:	NSUN2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	NSUN2 antibody was raised using the C terminal of NSUN2 corresponding to a region with amino acids FINSRIITVSMEDVKILLTQENPFFRKLSSETYSQAKDLAKGSIVLKYEP
Specificity:	NSUN2 antibody was raised against the C terminal of NSUN2
Purification:	Affinity purified

Target Details

Target:	NSUN2
Alternative Name:	NSUN2 (NSUN2 Products)
Background:	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

Target Details

	stabilize the anticodon-codon pairing and correctly translate the mRNA. NSUN2 is a methyltransferase that catalyzes the intron-dependent formation of 5-methylcytosine at C34 of tRNA-leu(CAA).
Molecular Weight:	86 kDa (MW of target protein)

Application Details

Application Notes:	WB: 1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	NSUN2 Blocking Peptide, catalog no. 33R-2934, is also available for use as a blocking control in assays to test for specificity of this NSUN2 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of NSUN2 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images

Western Blotting

Image 1. NSUN2 antibody used at 1 ug/ml to detect target protein.