

Datasheet for ABIN6263746

**anti-NSUN2 antibody (Internal Region)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µL
Target:	NSUN2
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human NSUN2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	NSUN2 Antibody detects endogenous levels of total NSUN2.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	NSUN2
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## Target Details

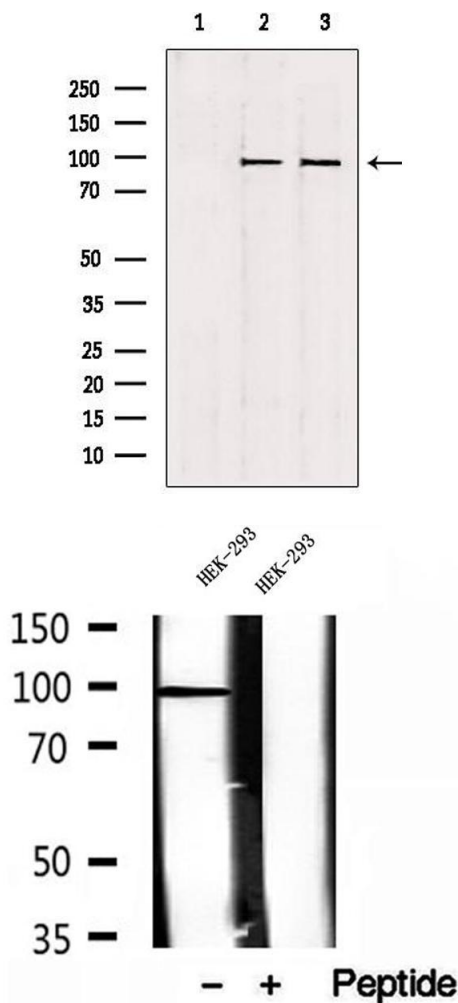
Alternative Name:	NSUN2 ( <a href="#">NSUN2 Products</a> )
Background:	<p>Description: RNA methyltransferase that methylates tRNAs, and possibly RNA polymerase III transcripts. Methylates cytosine to 5-methylcytosine (m5C) at positions 34 and 48 of intron-containing tRNA(Leu)(CAA) precursors, and at positions 48, 49 and 50 of tRNA(Gly)(GCC) precursors. May act downstream of Myc to regulate epidermal cell growth and proliferation. Required for proper spindle assembly and chromosome segregation, independently of its methyltransferase activity.</p> <p>Gene: NSUN2</p>
Molecular Weight:	90-100 kDa
Gene ID:	54888
UniProt:	<a href="#">Q08J23</a>

## Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

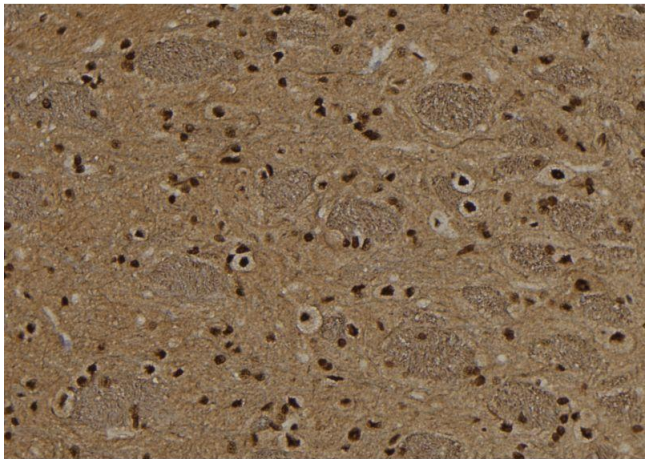


#### Western Blotting

**Image 1.** Western blot analysis of extracts from various samples, using NSUN2 antibody. Lane 1: 293 treated with blocking peptide. Lane 2: 293; Lane 3: hela;

#### Western Blotting

**Image 2.** Western blot analysis of extracts of HEK-293 cells, using NSUN2 antibody.



#### Immunohistochemistry

**Image 3.** ABIN6272947 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.