

Datasheet for ABIN7602547  
**anti-NSUN7 antibody (AA 83-457)**



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## Overview

Quantity:	100 µg
Target:	NSUN7
Binding Specificity:	AA 83-457
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-NSUN7 Antibody Picoband®
Immunogen:	E.coli-derived human NSUN7 recombinant protein (Position: D83-Q457). Human NSUN7 shares 79.2% amino acid (aa) sequence identity with mouse NSUN7.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NSUN7 Antibody Picoband® (ABIN7602547). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	NSUN7
Alternative Name:	NSUN7 ( <a href="#">NSUN7 Products</a> )
Background:	<p>Synonyms: NSUN7, Putative methyltransferase NSUN7, EC 2.1.1.-, NOL1/NOP2/Sun domain family member 7</p> <p>Background: Predicted to enable RNA binding activity and methyltransferase activity. Predicted to be involved in RNA methylation. Predicted to act upstream of or within flagellated sperm motility and sperm mitochondrion organization.</p>
Molecular Weight:	81 kDa
Gene ID:	79730

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Harris, T., Marquez, B., Suarez, S., Schimenti, J. Sperm motility defects and infertility in male mice with a mutation in Nsun7, a member of the Sun domain-containing family of putative RNA methyltransferases. Biol. Reprod. 77: 376-382, 2007. 2. Khosronezhad, N., Hosseinzadeh Colagar, A., Mortazavi, S. M. The Nsun7 (A11337)-deletion mutation, causes reduction of its protein rate and associated with sperm motility defect in infertile men. J. Assist. Reprod. Genet. 32: 807-815, 2015. 3. Ren, H. Y., Zhong, R., Ding, X. P., Chen, Z. Y., Jing, Y. L. Investigation of polymorphisms in exon7 of the NSUN7 gene among Chinese Han men with asthenospermia. Genet. Molec. Res. 14: 9261-9268, 2015.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.