

Datasheet for ABIN7601646
anti-NSUN6 antibody (AA 40-400)



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Overview

Quantity:	100 µg
Target:	NSUN6
Binding Specificity:	AA 40-400
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NSUN6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NSUN6 Antibody Picoband®
Immunogen:	E.coli-derived human NSUN6 recombinant protein (Position: E40-E400). Human NSUN6 shares 82.3% amino acid (aa) sequence identity with mouse NSUN6.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NSUN6 Antibody Picoband® (ABIN7601646). Tested in WB, IHC, 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:	NSUN6
Alternative Name:	NSUN6 (NSUN6 Products)
Background:	<p>Synonyms: NSUN6, NOPD1, tRNA, cytosine(72-C(5-methyltransferase NSUN6, EC 2.1.1.-, NOL1/NOP2/Sun and PUA domain-containing protein 1, NOL1/NOP2/Sun domain family member 6</p> <p>Background: Enables tRNA (cytidine-5-)-methyltransferase activity and tRNA binding activity. Involved in tRNA C5-cytosine methylation. Located in cytoplasm. Implicated in autosomal recessive intellectual developmental disorder 82.</p>
Molecular Weight:	52 kDa
Gene ID:	221078

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Chi, L., Delgado-Olguin, P. Expression of NOL1/NOP2/sun domain (Nsun) RNA methyltransferase family genes in early mouse embryogenesis. Gene Expr. Patterns 13: 319-327, 2013. 2. Gross, M. B. Personal Communication. Baltimore, Md. 11/10/2016. 3. Haag, S., Warda, A. S., Kretschmer, J., Gunnigmann, M. A., Hobartner, C., Bohnsack, M. T. NSUN6 is a human RNA methyltransferase that catalyzes formation of m(5)C72 in specific tRNAs. RNA 21: 1532-1543, 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.