

Datasheet for ABIN2779027
anti-NONO antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	NONO
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NONO antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NONO
Sequence:	KQNHTPRKHH QHHHQQQHHQ QQQQQPPPPP IPANGQQASS QNEGLTIDLK
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NONO. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	NONO
Alternative Name:	NONO (NONO Products)

Target Details

Background:	<p>NONO is DNA- and RNA binding protein, involved in several nuclear processes. It binds the conventional octamer sequence in double stranded DNA. It also binds single-stranded DNA and RNA at a site independent of the duplex site. It is involved in pre-mRNA splicing and interacts with U5 snRNA. The SFPQ-NONO heteromer associated with MATR3 may play a role in nuclear retention of defective RNAs, be involved in DNA unwinding by modulating the function of topoisomerase I/TOP1 and be involved in DNA nonhomologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination and may stabilize paired DNA ends. NONO binds to an enhancer element in long terminal repeats of endogenous intracisternal A particles (IAPs) and activates transcription.</p> <p>Alias Symbols: P54, NMT55, NRB54, P54NRB</p> <p>Protein Interaction Partner: SFPQ, PTBP1, PRKAA2, PIN1, NONO, FUS, DDX6, C11orf68, PSPC1, HUWE1, LMO4, UBC, SUMO2, STAU1, MDM2, RPA3, RPA2, RPA1, ASB18, WWOX, ASB3, ERG, EED, rev, WBP4, TCERG1, APBB1, PRPF40A, LMNA, CD81, PAN2, CTNNB1, ORC5, MYC, ITGA4, IL7R, FN1, EWSR1, YLPM1, RNF43</p> <p>Protein Size: 471</p>
Molecular Weight:	52 kDa
Gene ID:	4841
NCBI Accession:	NM_007363 , NP_031389
UniProt:	Q15233

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 471 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

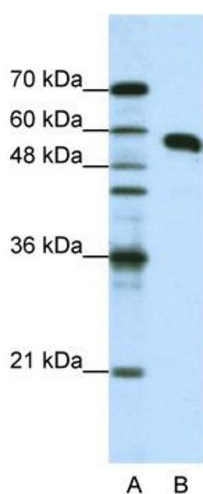
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

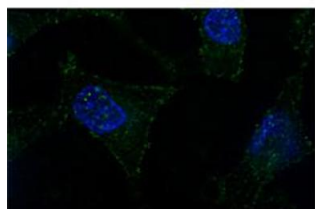
Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: Diagnostic microbiology and infectious disease , Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-NONO Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



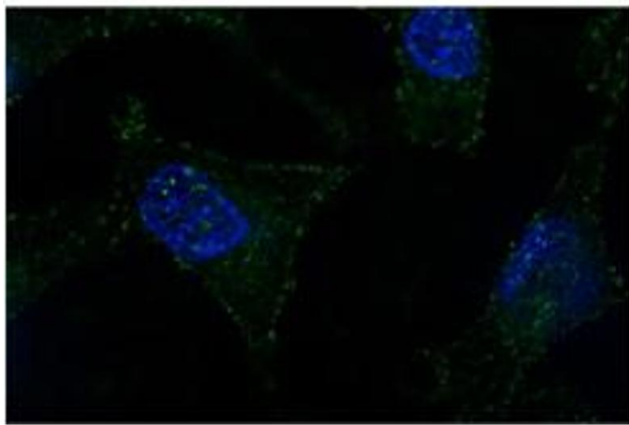
NONO (ARP40715_T100)

Immunofluorescence
Sample: HeLa cells
Dilution: 1:200

Application data in forum

Submitted by
Archa Fox PhD
Australia Institute for Medical Research

Image 2.



Immunofluorescence

Image 3. Sample Type: subnuclear bodies-paraspeckles