

Datasheet for ABIN7161690  
**anti-NONO antibody (AA 1-300)**



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2 Images

## Overview

Quantity:	100 µL
Target:	NONO
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NONO antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Non-POU domain-containing octamer-binding protein (1-300AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	NONO
Alternative Name:	NONO ( <a href="#">NONO Products</a> )
Background:	Background: DNA- and RNA binding protein, involved in several nuclear processes. Binds the conventional octamer sequence in double-stranded DNA. Also binds single-stranded DNA and

Target Details

RNA at a site independent of the duplex site. Involved in pre-mRNA splicing, probably as a heterodimer with SFPQ. Interacts with U5 snRNA, probably by binding to a purine-rich sequence located on the 3' side of U5 snRNA stem 1b. Together with PSPC1, required for the formation of nuclear paraspeckles. The SFPQ-NONO heteromer associated with MATR3 may play a role in nuclear retention of defective RNAs. The SFPQ-NONO heteromer may be involved in DNA unwinding by modulating the function of topoisomerase I/TOP1. The SFPQ-NONO heteromer may be involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination and may stabilize paired DNA ends. In vitro, the complex strongly stimulates DNA end joining, binds directly to the DNA substrates and cooperates with the Ku70/G22P1-Ku80/XRCC5 (Ku) dimer to establish a functional preligation complex. NONO is involved in transcriptional regulation. The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. NONO binds to an enhancer element in long terminal repeats of endogenous intracisternal A particles (IAPs) and activates transcription. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer.

Aliases: 52 kDa subunit antibody, 54 kDa nuclear RNA and DNA binding protein antibody, 54 kDa nuclear RNA- and DNA-binding protein antibody, 55 kDa nuclear protein antibody, DNA binding p52/p100 complex 52 kDa subunit antibody, DNA-binding p52/p100 complex antibody, NMT 55 antibody, NMT55 antibody, Non Pou domain containing octamer (ATGCAAAT) binding protein antibody, Non POU domain containing octamer binding antibody, Non POU domain containing octamer binding protein antibody, Non-POU domain-containing octamer-binding protein antibody, Nono antibody, NonO protein antibody, NONO\_HUMAN antibody, NRB 54 antibody, NRB antibody, NRB54 antibody, Nuclear RNA binding protein 54kD antibody, P54 antibody, p54(nrb) antibody, p54nrb antibody, PPP1R114 antibody, Protein phosphatase 1 regulatory subunit 114 antibody

UniProt: [Q15233](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

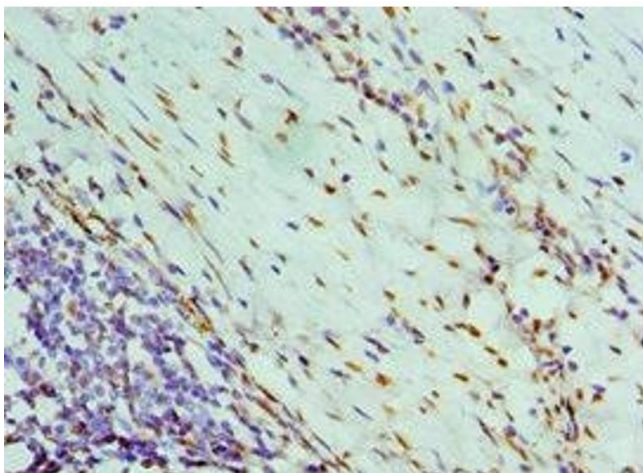
Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Handling

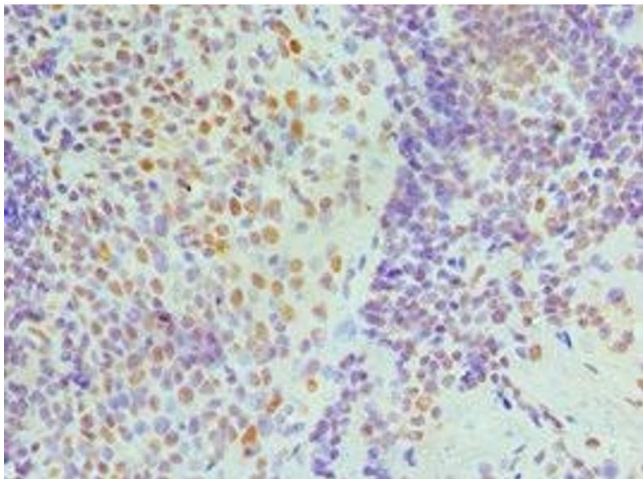
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



**Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7161690 at dilution of 1:100



**Immunohistochemistry**

**Image 2.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7161690 at dilution of 1:100