

Rabbit anti-Human Non-POU domain-containing octamer-binding protein Polyclonal Antibody | anti-NONO antibody

Rabbit anti-human Non-POU domain-containing octamer-binding protein polyclonal Antibody(NONO)

CATALOG # AAA118892	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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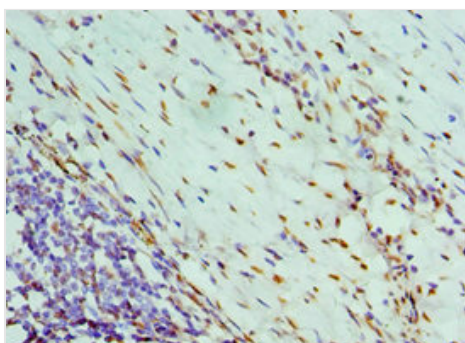
PRODUCT SYNONYMS

Non-POU domain-containing octamer-binding protein; Polyclonal Antibody; Rabbit anti-human Non-POU domain-containing octamer-binding protein polyclonal Antibody(NONO); NonO protein; 54 kDa nuclear RNA- and DNA-binding protein; 55 kDa nuclear protein; DNA-binding p52/p100 complex; 52 kDa subunit; NMT55; p54(nrb); p54nrb; NONO; NRB54; anti-NONO antibody

PRODUCT SPECIFICATIONS

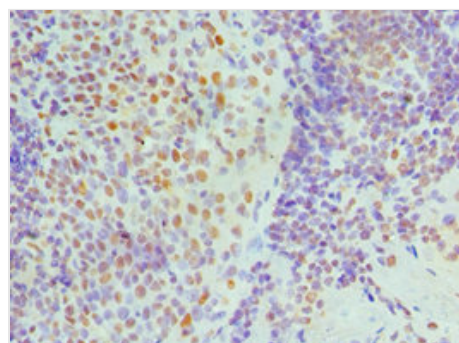
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	471
Applicable Applications for anti-NONO antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Non-POU domain-containing octamer-binding protein(1-300aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-23249 / sc-23247 / sc-46223 / sc-46221 / sc-46220 / sc-67016
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA118892 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil using AAA118892 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-NONO antibody	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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224028244
NCBI GeneID	4841
NCBI Accession #	NP_001138880.1
NCBI GenBank Nucleotide #	NM_001145408.1
UniProt Accession #	Q15233; O00201; P30807; Q12786; Q9BQC5; B7Z4C2; D3DVV4; F5GYZ3
Molecular Weight	43,866 Da
NCBI Official Full Name	non-POU domain-containing octamer-binding protein isoform 1
NCBI Official Synonym Full Names	non-POU domain containing, octamer-binding
NCBI Official Symbol	NONO
NCBI Official Synonym Symbols	P54; NMT55; NRB54; P54NRB; PPP1R114
NCBI Protein Information	non-POU domain-containing octamer-binding protein
UniProt Protein Name	Non-POU domain-containing octamer-binding protein
UniProt Gene Name	NONO
UniProt Synonym Gene Names	NRB54; NonO protein; p54nrb
UniProt Entry Name	NONO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.