

Product datasheet for **TA343778**

NONO Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB, IF
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NONO antibody: synthetic peptide directed towards the N terminal of human NONO. Synthetic peptide located within the following region: KQNHTPRKHHQHQQHHQQQQQPPPPPIPANGQQASSQNEGLTIDLK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	non-POU domain containing, octamer-binding
Database Link:	NP_031389 Entrez Gene 4841 Human Q15233



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Background:

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.

Synonyms:

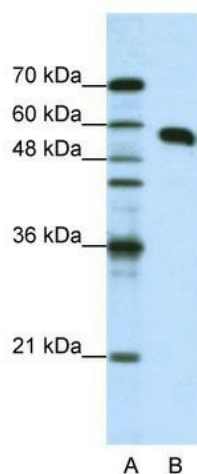
MRXS34; NMT55; NRB54; P54; P54NRB; PPP1R114

Note:

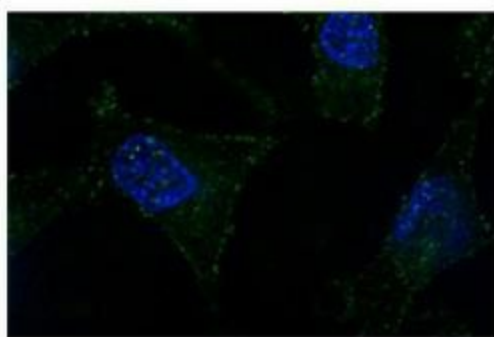
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Bovine: 93%

Protein Families:

Druggable Genome, Transcription Factors

Product images:


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



Sample Type: subnuclear bodies-paraspeckles;