

## Anti-NONO Antibody (8D270)

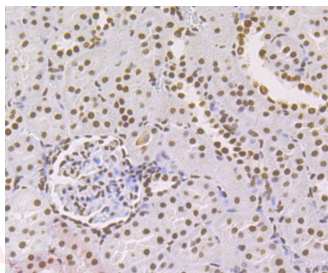
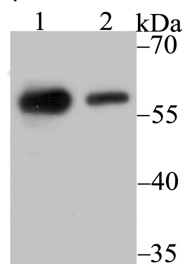
### Product Details

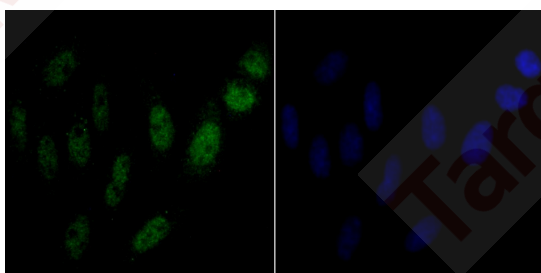
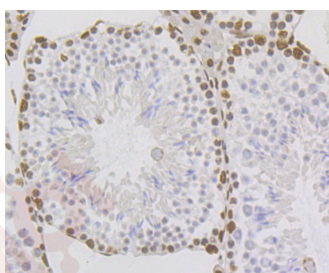
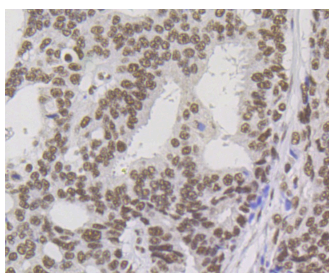
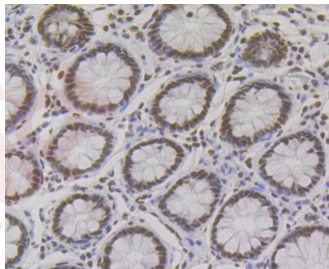
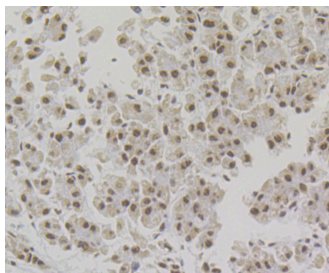
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 54 kDa.
Clone:	8D270
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of p54nrb on 293 (1) and SH-SY-5Y (2) cell lysate using anti-p54nrb antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti- p54nrb antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti- p54nrb antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human colon tissue using anti- p54nrb antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-p54nrb antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti- p54nrb antibody. Counter stained with hematoxylin.
7. ICC staining p54nrb in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IF,IHC,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: C-terminal human p54nrb  
Antigen Species: human  
Uniprot ID: Q15233  
Synonyms: NonO protein;p54nrb;Non-POU domain-containing octamer-binding protein;55 kDa nuclear protein;DNA-binding p52/p100 complex;54 kDa nuclear RNA- and DNA-binding protein; NRB54;NMT55;52 kDa subunit

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### Research Background

Found in both primary and transformed human cells, paraspeckles are discrete bodies in the interchromatin nucleoplasmic space which contain p54/nrb (nuclear RNA-binding protein) and at least two other RNA-binding proteins, paraspeckle protein 1 (PSP1) and paraspeckle protein 2 (PSP2). Paraspeckles often co-localize with splicing speckles, which are the site of splicing factor accumulation. Paraspeckle proteins, including p54/nrb, move dynamically between the nucleolus and paraspeckles and translocate to distinct caps in the nucleolar periphery when transcription is inhibited. Originally purified from HeLa cells, the nuclear p54/nrb has two RNA recognition motifs and shares extensive homology with both the human splicing factor PSF and Drosophila NONA/BJ6, which is required for normal vision and courtship. The shared domain between these proteins is termed a DBHS (Drosophila behavior, human splicing) domain and may play a role in regulating various pathways at the level of pre-mRNA splicing.

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