

p54nrb Rabbit mAb

Catalog No: #49948



Package Size: #49948-1 50ul #49948-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

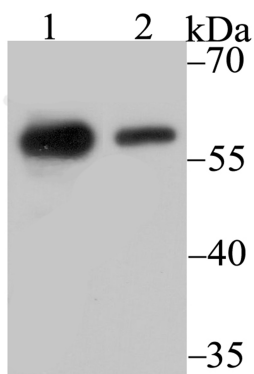
Description

Product Name	p54nrb Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG87-38
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein of C-terminal human p54nrb.
Other Names	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
Accession No.	Swiss-Prot#:Q15233
Uniprot	Q15233
GeneID	4841;
Calculated MW	54 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

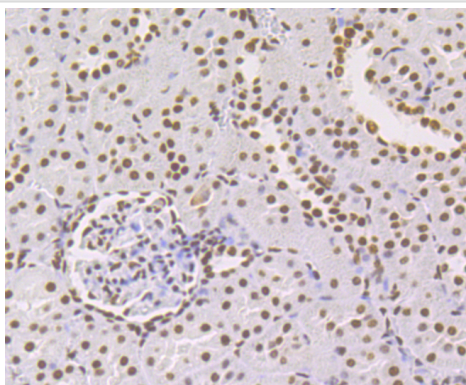
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50

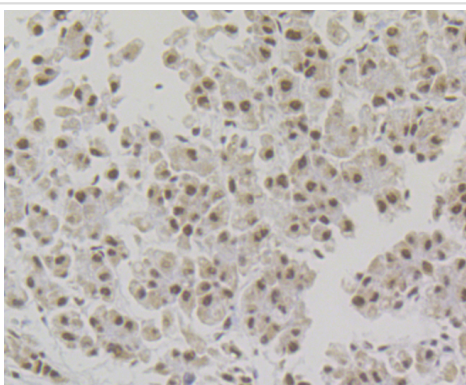
Images



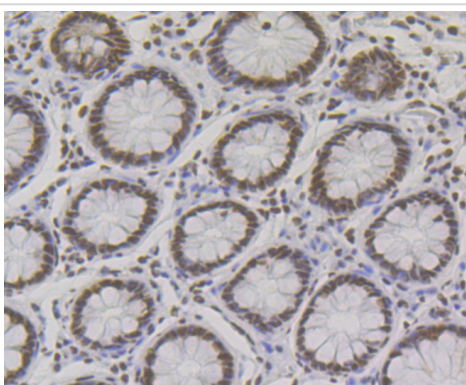
Western blot analysis of p54nrb on 293 (1) and SH-SY-5Y (2) cell lysate using anti-p54nrb antibody at 1/500 dilution.



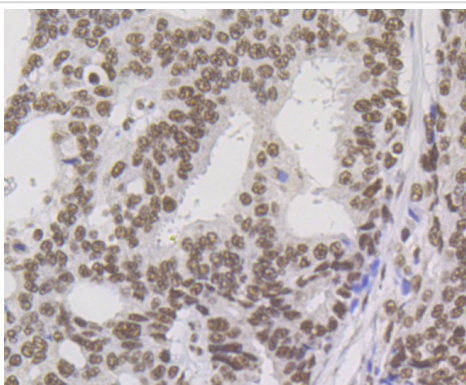
Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti- p54nrb antibody. Counter stained with hematoxylin.



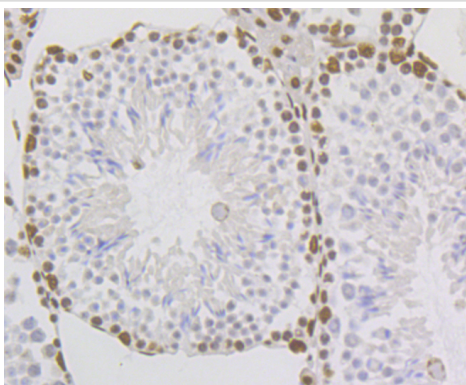
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti- p54nrb antibody. Counter stained with hematoxylin.



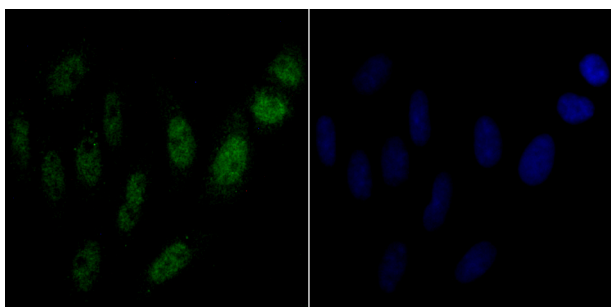
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti- p54nrb antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-p54nrb antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti- p54nrb antibody. Counter stained with hematoxylin.



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.

## 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.

## References

Note: This product is for in vitro research use only