

Nuclear Matrix Protein p84 Rabbit mAb

Catalog No: #49738



Package Size: #49738-1 50ul #49738-2 100ul

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

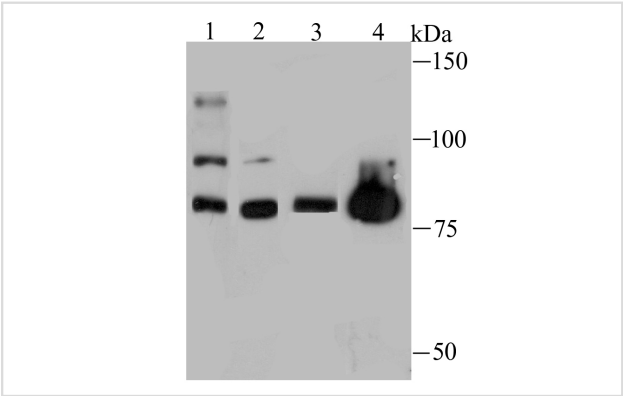
Description

Product Name	Nuclear Matrix Protein p84 Rabbit mAb			
Host Species	Recombinant Rabbit			
Clonality	Monoclonal antibody			
Clone No.	JU53-18			
Purification	ProA affinity purified			
Applications	WB,ICC,IHC			
Species Reactivity	Hu, Ms, Rt			
Immunogen Description	Recombinant protein			
Other Names	hTREX84 antibody    Death domain containing protein p84N5 antibody    HPR 1 antibody    HPR1 antibody hTREX84 antibody    Nuclear matrix protein p84 antibody    P84 antibody    p84N5 antibody    Tho 1 antibody    THO complex 1 antibody    THO complex subunit 1 antibody    Tho1 antibody    THOC 1 antibody    Thoc1 antibody    THOC1_HUMAN antibody			
Accession No.	Swiss-Prot#:Q96FV9			
Uniprot	Q96FV9			
GeneID	9984;			
Calculated MW	76 kDa			
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.			
Storage	Store at -20°C			

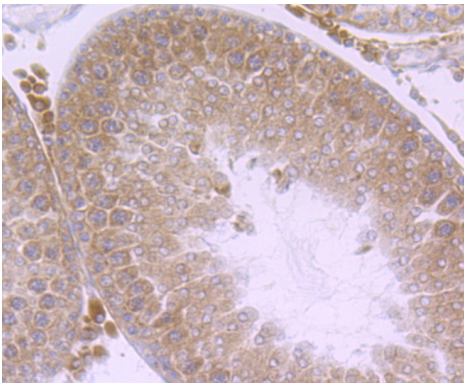
Application Details

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

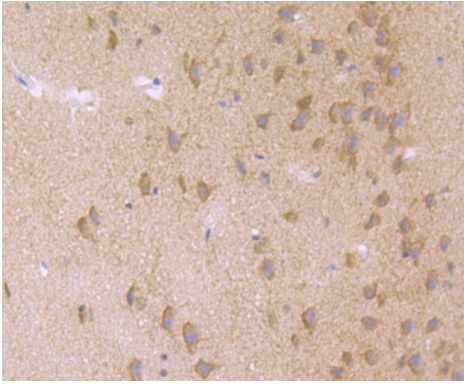
Images



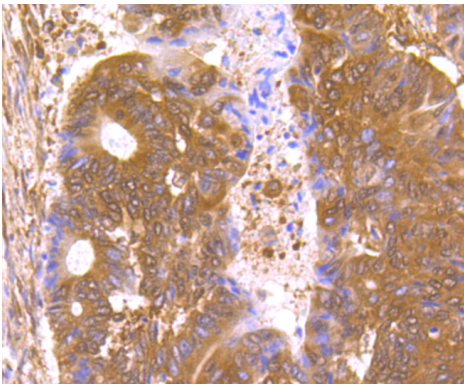
Western blot analysis of Nuclear Matrix Protein p84 on different lysates using anti-Nuclear Matrix Protein p84 antibody at 1/500 dilution. Positive control: Lane 1: Hela  
Lane 2: A431 Lane 3: Mouse skeletal muscle Lane 4: PC-12



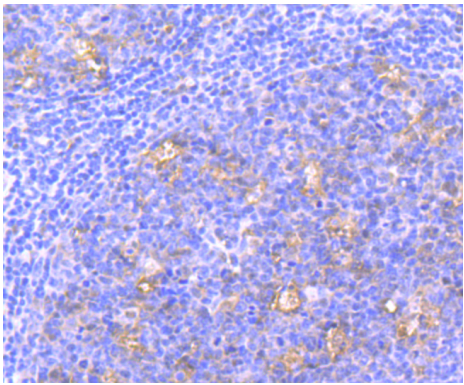
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



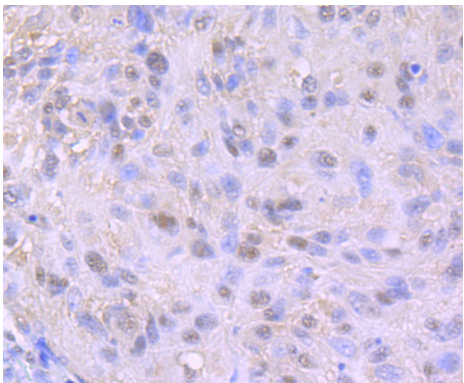
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



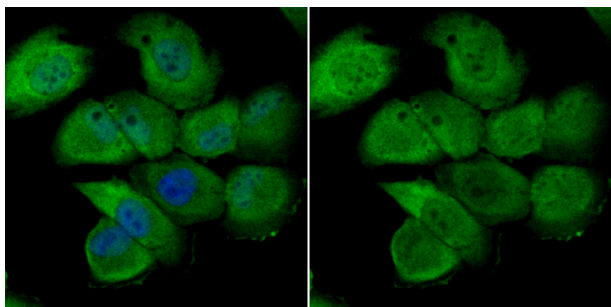
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



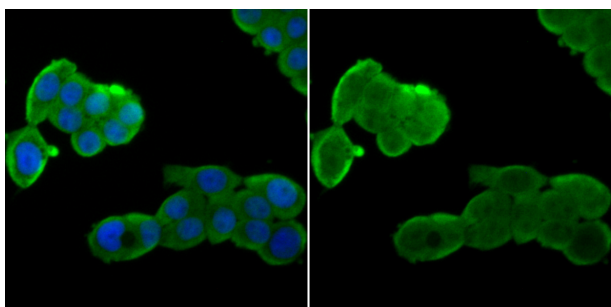
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



ICC staining Nuclear Matrix Protein p84 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Nuclear Matrix Protein p84 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

THOC1 (THO complex subunit 1), also known as Tho1, P84, HPR1 or P84N5, is a 657 amino acid nuclear matrix protein and is evolutionarily conserved from yeast to humans. THOC1 contains one death domain and is a component of the heteromultimeric THO/TREX (transcription/export) complex along with THOC2, THOC3, BAT1 and ALY. The THO/TREX complex is recruited to transcribed genes and travels along with RNA polymerase II (Pol II) during elongation, coupling elongating Pol II with RNA splicing and export factors. THOC1 is expressed at high levels in breast cancer cells and at relatively low levels in normal epithelia. A reduction of THOC1 in cancer cell lines results in reduced cell proliferation. This suggests that cancer cells are dependent on the high levels of THOC1 expression and therefore THOC1 may be a good target for cancer therapy.

## References

Note: This product is for in vitro research use only