

Nuclear Matrix Protein p84 Rabbit mAb

Catalog No: #49738

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

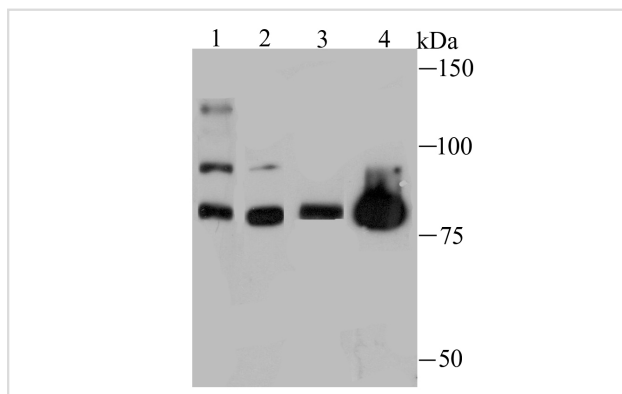
Description

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

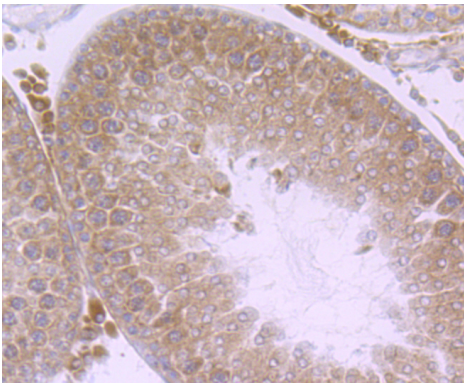
Application Details

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

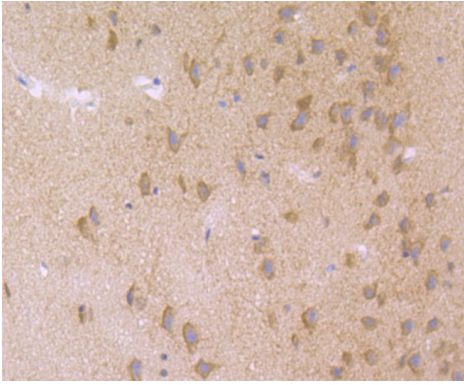
Images



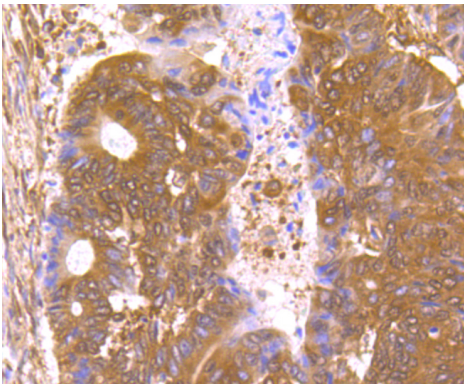
Western blot analysis of Nuclear Matrix Protein p84 on different lysates using anti-Nuclear Matrix Protein p84 antibody at 1/500 dilution. Positive control: Lane 1: Hela
Lane 2: A431 Lane 3: Mouse skeletal muscle Lane 4: PC-12



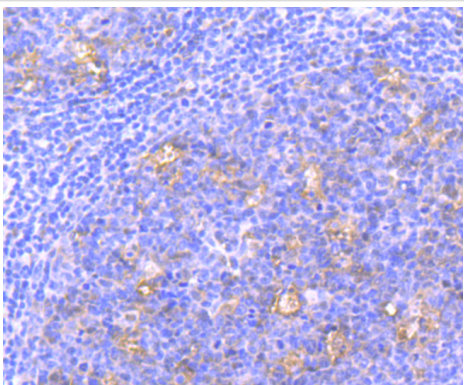
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



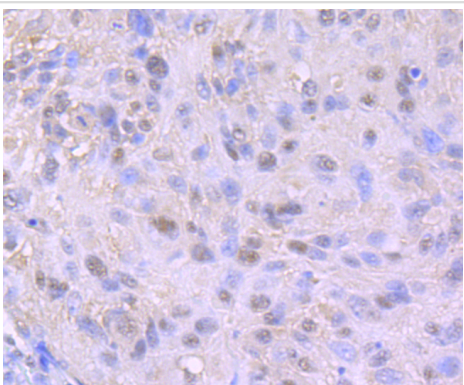
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



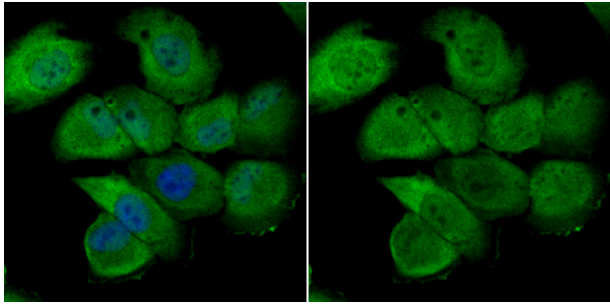
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



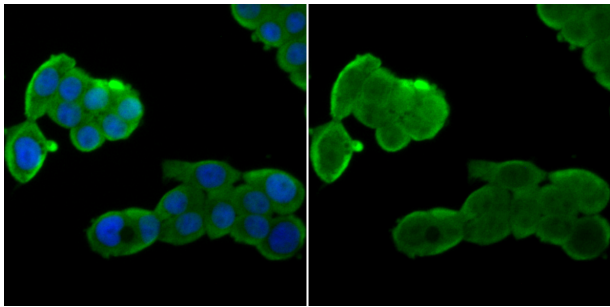
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Nuclear Matrix Protein p84 antibody. Counter stained with hematoxylin.



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