

NUP153 Rabbit mAb

Catalog No: #49711

Package Size: #49711-1 50ul #49711-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

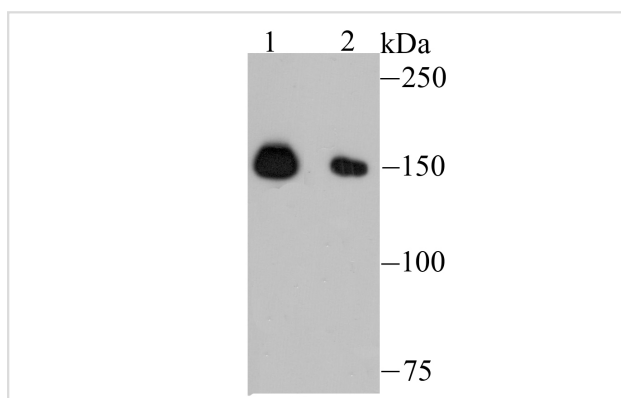
Description

Product Name	NUP153 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU40-41
Purification	ProA affinity purified
Applications	WB,ICC/IF,FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	153 kDa nucleoporin antibody HNUP153 antibody N153 antibody NU153_HUMAN antibody Nuclear pore complex protein hnup153 antibody Nuclear pore complex protein Nup153 antibody Nucleoporin 153kDa antibody Nucleoporin Nup153 antibody Nup 153 antibody Nup153 antibody
Accession No.	Swiss-Prot#:P49790
Uniprot	P49790
GeneID	9972;
Calculated MW	154 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

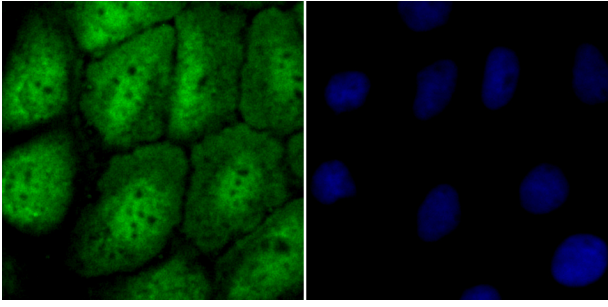
Application Details

WB: 1:500-1:2,000 ICC: 1:100-1:500 FC: 1:50-1:100

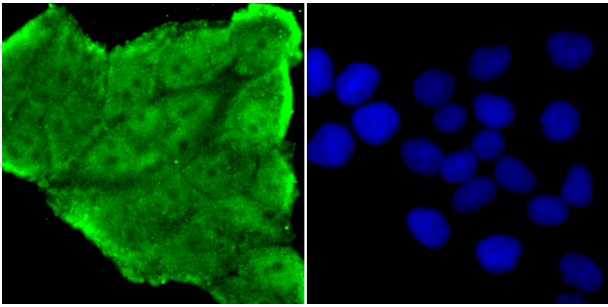
Images



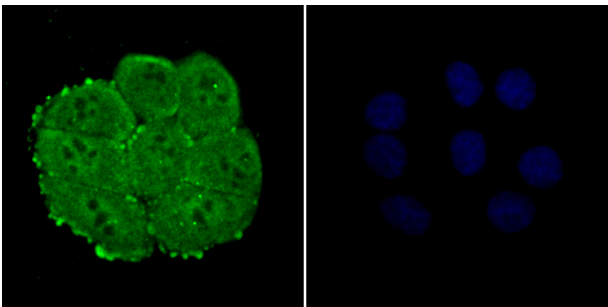
Western blot analysis of NUP153 on K562 (1) and HepG2 (2) cell lysate using anti-NUP153 antibody at 1/500 dilution.



ICC staining NUP153 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NUP153 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NUP153 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Nuclear pore complexes (NPCs) are the channels for the bi-directional movement of macromolecules between the nucleus and cytoplasm, and contain more than 100 different subunits. Many of them belong to a family called nucleoporins, which are characterized by the presence of O-linked N-acetylglucosamine moieties and a distinctive pentapeptide repeat (XFXFG). Nup153 is a peripheral NPC component that is implicated in protein and RNP transport and in the interaction of NPCs with the nuclear lamina. Nup153 contains a unique N-terminal region, a central domain consisting of four to five zinc fingers and a C-terminal region containing about 30 irregularly spaced FXFG repeats. Nup153 is cleaved by caspases during apoptosis. Nup153 interacts with TAP, which is essential for mRNA export, and associates with chromatin towards the end of anaphase, in parallel with the inner nuclear membrane protein LAP2. Nup153 is involved in NPC assembly, in anchoring NPCs within the nuclear envelope and in mediating specific nuclear import events.

References

Note: This product is for in vitro research use only