

Mab to nup153



Clone Determination	nup7A8
Category	Mouse monoclonal
Immunoglobulin Subclass	IgG1
Purification/Form	Hybridoma culture supernatant
Immunogen	Nuclear matrix protein fraction prepared from rat liver nuclei
Description / Specificity	The antibody recognizes the nuclear pore complex (NPC) protein nup153 (190 kD), present on the inner aspect of NPC with attached filament bundles. It is also reactive with the soluble form of nup153 found e.g. during meiotic metaphase.
Antigen Recognized in Species (tested so far)	Reactive with many species, including human, rodents (mouse, rat), marsupials (kangaroo rat), amphibia (xenopus, pleurodeles)
Application	Immunofluorescence microscopy on frozen sections (also after fixation with paraformaldehyde) Immunoblotting (Western) Immunoprecipitation
Working Dilution	1:5 - 1:10 for immunohistochemistry 1:30 - 1:50 for Western blot (ECL method)
Incubation time	1 h at RT
Storage	At 2-8°C
Volume	5 mL (contains 0.09% sodium azide)

References

- Cordes VC, Reidenbach S, Köhler A, Stuurmann N, van Driel R, Franke WW: Intranuclear filaments containing a nuclear pore complex protein. *J Cell Biol* 123, 1333-1344 (1993).
- Cordes VC, Gajewski A, Stumpp S, Krohne G: Immunocytochemistry of annulate lamellae: potential cell biological markers for studies of cell differentiation and pathology. *Differentiation* 58, 307-312 (1995).
- Cordes VC, Reidenbach S, Franke WW: Cytoplasmic annulate lamellae in cultured cells: composition, distribution, and mitotic behavior. *Cell Tissue Res* 284, 177-191 (1996).
- Hase ME, Cordes VC: Direct interaction with nup153 mediates binding of tpr to the periphery of the nuclear pore complex. *Mol Biol Cell* 14, 1923-1940 (2003).

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