Product datasheet

anti-nup153 mouse monoclonal, nup7A8, supernatant

Short overview

Cat. No.	651141
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	nup7A8
Immunogen	Nuclear matrix protein fraction prepared from rat liver nuclei
Formulation	Contains 0.09% sodium azide
UniprotID	P49790 (Human), Q80WR0 (Mouse), P49791 (Rat)
Synomym	Nuclear pore complex protein Nup153, 153 kDa nucleoporin, Nucleoporin Nup153, NUP153
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, IP, WB
Reactivity	Human, Mouse, Rat, Rat kangaroo, Xenopus

Applications

Immunohistochemistry (IHC) - frozen	1:5-1:10
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:30-1:50

Background

The antibody recognizes the nuclear pore complex (NPC) protein nup153 (190 kDa), 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. Epitope in rat liver was mapped to N-terminal domain (aa439-611; Hase & Cordes, 2003).

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).

Product images

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References

Publication	Species	Application
Teresa Soop, Birgitta Ivarsson, Birgitta Bjorkroth, Nathalie Fomproix, Sergej Masich, Volker C. Cordes,- and B. D. Nup153 Affects Entry of Messenger and Ribosomal Ribonucleoproteins into the Nuclear Basket during Export. Mol. Biol. Cell 16, 5610-5620 (20	C. tentans	WB,ICC-IF,IEM
Hase, M. E. & Cordes, V. C. Direct interaction with nup153 mediates binding of Tpr to the periphery of the nuclear pore complex. Mol. Biol. Cell 14, 1923-40 (2003).	human	WB,ICC-IF
Cordes, V. C. et al. Intranuclear filaments containing a nuclear pore complex protein. J. Cell Biol. 123, 1333-1344 (1993).	mouse,rat,xenopus	WB,ICC-IF