

Product datasheet

anti-Nucleolar Protein NO38 mouse monoclonal, No-185, supernatant concentrate

Short overview

Cat. No.	652125
Quantity	250 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	No-185
Immunogen	Nucleolar fraction prepared from <i>Xenopus laevis</i> oocytes
Formulation	Contains 0.09% sodium azide
UniprotID	P06748 (Human), Q61937 (Mouse), P16039 (Chicken)
Synonym	Nucleophosmin, NPM, Nucleolar phosphoprotein B23, Nucleolar protein NO38, Numatrin
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant concentrate
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	Chicken, Pleurodeles, Triturus, <i>Xenopus</i>
No reactivity	Higher vertebrates

Applications

Immunohistochemistry (IHC) - frozen	1:300-1:500 (fixation with paraformaldehyde recommended)
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:1,000-1:2,000

Background

The antibody recognizes a 38 kDa nucleolar protein (NO38) in *Xenopus* (this protein has also been termed B23, nucleophosmin, numatrin in other species). No-185 stains specifically the granular component of the nucleolus and small nucleolar dots in interphase cells. During mitosis the protein is localized accumulated around the condensed chromosomes. The epitope recognized is different from the one recognized by clone No-63 (cat.no. 612123).

Product images



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References

Publication	Species	Application
Kneissel, S. et al. A novel karyoskeletal protein: Characterization of protein NO145, the major component of nucleolar cortical skeleton in Xenopus oocytes. Mol. Biol. Cell 12, 3904-3918 (2001).	xenopus	WB,ICC-IF
Zirwes, R. F., Schmidt-Zachmann, M. S. & Franke, W. W. Identification of a small, very acidic constitutive nucleolar protein (NO29) as a member of the nucleoplasmin family. Proc. Natl. Acad. Sci. U. S. A. 94, 11387-92 (1997).	xenopus	IP
Zirwes, R. F., Kouzmenko, A. P., Peters, J. M., Franke, W. W. & Schmidt-Zachmann, M. S. Topogenesis of a nucleolar protein: determination of molecular segments directing nucleolar association. Mol. Biol. Cell 8, 231-48 (1997).	xenopus	IP
Schmidt-Zachmann, M. S., Häfge-Dörfl, B. & Franke, W. W. A constitutive nucleolar protein identified as a member of the nucleoplasmin family. EMBO J. 6, 1881-90 (1987).	xenopus, T. cristatus	WB,IHC (frozen),IEM