

Mab to Nucleolar Protein NO38



Clone Determination	No-185
Category	Mouse monoclonal
Immunoglobulin Subclass	IgG ₁
Purification/Form	Hybridoma culture supernatant
Immunogen	Nucleolar fraction prepared from <i>Xenopus laevis</i> oocytes
Description / Specificity	<p>The antibody recognizes a 38 kD nucleolar protein (NO38) in <i>Xenopus</i> (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.</p> <p>The epitope recognized is different from the one recognized by clone No-63 (cat.no. 612123).</p>
Antigen(s) Recognized in Species (tested so far)	<i>Xenopus laevis</i> , <i>Xenopus borealis</i> , <i>Pleurodelis waltl</i> , <i>Triturus cristatus</i> ; XLKE-A6 cells; chicken; negative in higher animals
Application	Immunofluorescence microscopy on frozen sections (also after fixation with paraformaldehyde) Immunoblotting (Western) Immunoprecipitation
Working Dilution	Ready to use for immunohistochemistry 1:50 for Western blot (ECL method)
Incubation time	1 h at RT
Storage	At 2-8°C
Volume	5 ml (contains 0.09% NaN ₃)

References

- Schmidt-Zachmann MS, Hügle-Dörr B, Franke WW. A constitutive nucleolar protein identified as a member of the nucleoplasmin family. *EMBO J.* **6**, 1881-1890 (1987).
- Zirwes RF, Kouzmenko AP, Peters J-M, Franke WW, Schmidt-Zachmann MS. Topogenesis of a nucleolar protein: determination of molecular segments directing nucleolar association. *Mol. Biol. Cell* **8**, 231-248 (1997).
- Zirwes RF, Schmidt-Zachmann MS, Franke WW. Identification of a small, very acidic constitutive nucleolar protein (NO29) as a member of the nucleoplasmin family. *Proc. Natl. Acad. Sci. USA* **94**, 11387-11392 (1997).
- Kneissel S, Franke WW, Gall JG, Heid H, Reidenbach S, Schnölzer M, Spring H, Zentgraf H, Schmidt-Zachmann M. 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).

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