

Product datasheet

anti-Nucleolar Protein NO38 mouse monoclonal, No-63, supernatant

Short overview

Cat. No.	651123
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	No-63
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
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	Chicken, Pleurodeles, Triturus, <i>Xenopus</i>

Applications

Immunohistochemistry (IHC) - frozen	Ready-to-use (also after fixation with paraformaldehyde)
Immunoprecipitation (IP)	Assay dependent (from <i>Xenopus</i> oocyte extracts nucleoplasmin - a 30 kDa protein - is co-precipitated, which shows high sequence homology to NO38)
Western Blot (WB)	1:10-1:20 (for blotting transfer nitrocellulose sheets are superior to nylon sheets)

Background

Recognizes a 38 kDa nucleolar protein (NO38) in *Xenopus* (also termed numatrin, B23, nucleophosmin, in other species). No-63 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.

Product images



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References

Publication	Species	Application
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	ICC-IF
Schmidt-Zachmann, M. S., Hägle-Därr, B. & Franke, W. W. A constitutive nucleolar protein identified as a member of the nucleoplasmin family. EMBO J. 6, 1881-90 (1987).	chicken,xenopus	ICC-IF