Product datasheet

anti-Nucleolar Protein NO38 mouse monoclonal, No-63, ascites fluid

Short overview

Cat. No.	612123
Quantity	250 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	No-63
Immunogen	Nucleolar fraction prepared from Xenopus laevis oocytes
Formulation	Contains 0.09% sodium azide
UniprotID	P06748 (Human), Q61937 (Mouse), P16039 (Chicken)
Synomym	Nucleophosmin, NPM, Nucleolar phosphoprotein B23, Nucleolar protein NO38, Numatrin
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Ascites
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, Xenopus

Applications

Immunohistochemistry (IHC) - frozen	1:300-1:500 (also after fixation with paraformaldehyde)
Immunoprecipitation (IP)	Assay dependent (from Xenopus oocyte extracts nucleoplasmin - a 30 kDa protein - is co-precipitated, which shows high sequence homology to NO38)
Western Blot (WB)	1:1,000-1:2,000 (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., HÃ¼gle-DÃ¶rr, 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