Product datasheet

anti-Nucleolar Protein xNopp180 mouse monoclonal, No-114, supernatant

Short overview

Cat. No.	651124
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	No-114
Immunogen	Nucleolar fraction prepared from Xenopus laevis oocytes
Formulation	Contains 0.09% sodium azide
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
Reactivity	Xenopus
No reactivity	Chicken, Mouse, Pleurodelis, Rana, Rat, Triturus

Applications

Immunohistochemistry (IHC) - frozen	1:5-1:10 (also after fixation with paraformaldehyde)
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:50

Background

The antibody stains specifically the nucleolus and Cajal bodies in interphase cells. The antigen is a constitutively expressed nucleolar component and a specific marker for the dense fibrillar component of the interphase nucleolus. The protein recognized is a 180 kDa polypeptide in Xenopus (xNopp180), homologue to the rat polypeptide (Nopp140). When applied at high concentration to human cells the antibody reacts with a nucleolar component which, however, does not correspond to xNopp180.

Product images

anti-Nucleolar Protein xNopp180 mouse monoclonal, No-114, supernatant

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	IHC (frozen),ICC-IF
Cairns, C. & McStay, B. Identification and cDNA cloning of a Xenopus nucleolar phosphoprotein, xNopp180, that is the homolog of the rat nucleolar protein Nopp140. J. Cell Sci. 108 (Pt 1, 3339-3347 (1995).	xenopus	WB
Schmidt-Zachmann, M. S., HÃ¼gle, B., Scheer, U. & Franke, W. W. Identification and localization of a novel nucleolar protein of high molecular weight by a monoclonal antibody. Exp. Cell Res. 153, 327-346 (1984).	xenopus	WB,IHC (frozen),ICC-IF,IEM