

Ordering Information
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HGNC Name: NA
UniProt: G2WEN9
RRID: AB_2298370
Immunogen: Yeast nuclear preparation
Format: Concentrated hybridoma tissue culture media plus 5mM NaN₃
Storage: Store at 4°C for short term, for longer term at -20°C. Avoid freeze/thaw cycles.
Recommended dilutions:
 WB 1:500, IF/ICC 1:1,000

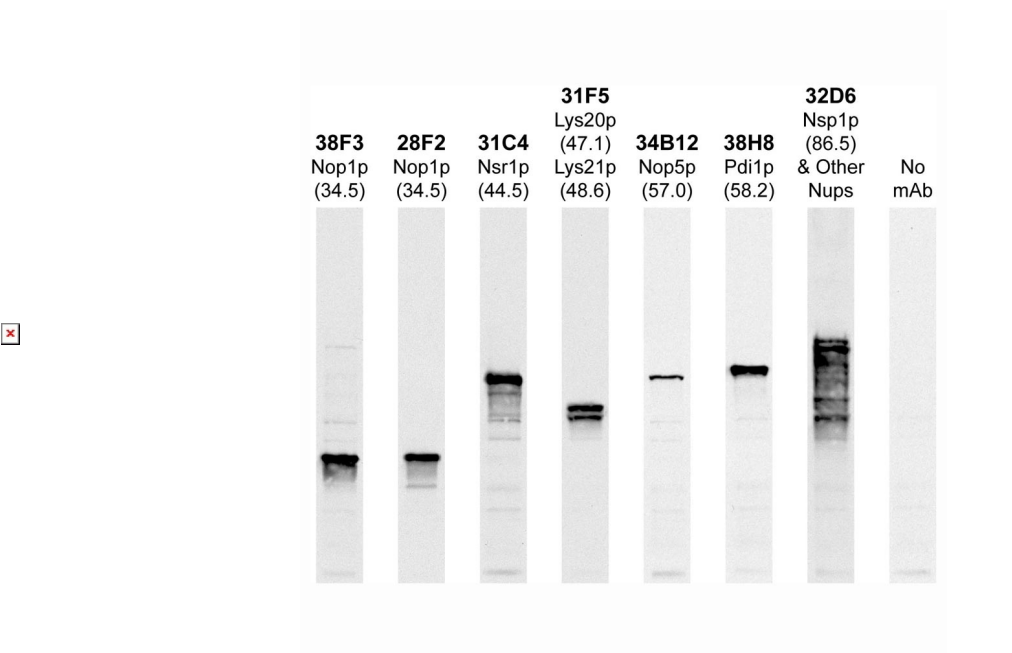
References:

1. Lin JJ and Zakian VA. Isolation and characterization of two *Saccharomyces cerevisiae* genes that encode proteins that bind to (TG1-3)*n* single strand telomeric DNA in vitro. *Nucleic Acids Res.* 22:4906-13 (1994).

Nsr1p Mouse Monoclonal Antibody

MCA-31C4

Applications	Host	Isotype	Molecular Wt.	Species Cross-Reactivity
WB, IF/ICC	Mouse	IgG1	44.5Da	Sc



Western blots of whole yeast protein extracts with a collection of EnCor antibodies. The blot for MCA-31C4 is in the indicated lane, and the number indicates the SDS-PAGE molecular weight in kilodaltons.

Background:

Nsr1p is localized in the nucleolus and binds to telomeric single-stranded oligonucleotide repeat sequence of the type (TG1-3)*n*. It has a role in ribosomal RNA maturation and possibly in transport of proteins into the nucleus.

MCA-31C4 was isolated during a screen for monoclonal antibodies reactive with yeast nucleolar proteins. We determined the specificity by screening a yeast genomic library expressed as β-galactosidase fusion proteins in bacteriophage λgt11. Two individually isolated, different positive clones were found. Sequencing revealed that in both clones β-galactosidase was fused at the EcoRI site to the amino acid sequence beginning with ...EFEH, corresponding to amino acids 190 and onwards in Nsr1p. This peptide is ~20 amino acids into the first RRM domain, so MCA-31C4 reacts with an epitope in the C-terminal 55% of Nsr1p. The antibody is provided as sterile-filtered cell culture fluid from an Integra CL-350 biochamber plus sodium azide.

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Abbreviation Key:

mAb—Monoclonal Antibody *pAb*—Polyclonal Antibody *WB*—Western Blot *IF*—Immunofluorescence *ICC*—Immunocytochemistry
IHC—Immunohistochemistry *E*—ELISA *Hu*—Human *Mo*—Monkey *Do*—Dog *Rt*—Rat *Ms*—Mouse *Co*—Cow *Pi*—Pig *Ho*—Horse *Ch*—Chicken
Dr—*D. rerio* *Dm*—*D. melanogaster* *Sm*—*S. mutans* *Ce*—*C. elegans* *Sc*—*S. cerevisiae* *Sa*—*S. aureus* *Ec*—*E. coli*.

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