abcam

Product datasheet

Anti-Nsr1p antibody [31C4] ab4642

2 Abreviews 2 References 2 Images

Overview

Product name	Anti-Nsr1p antibody [31C4]
Description	Mouse monoclonal [31C4] to Nsr1p
Host species	Mouse
Specificity	This antibody was isolated during a screen for mAbs against yeast nucleolar proteins. Specificity was determined by screening a yeast genomic library in lambda gt11. Two individually isolated, different positive clones were found. Sequencing revealed that in both clones beta-galactosidase was fused at the EcoRI site to the amino acid sequence beginning with …EFEH190 in Nsr1p. Thus, it is likely to react with an epitope(s) in the C-terminal 55% of Nsr1p.
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Saccharomyces cerevisiae
Immunogen	This was raised against a yeast nucleolar prep, and screened by immunocytochemistry and western blotting.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.065% Sodium azide Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Purification notes	Sterile filtered.
Clonality	Monoclonal
Clone number	31C4

Isotype IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab4642 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

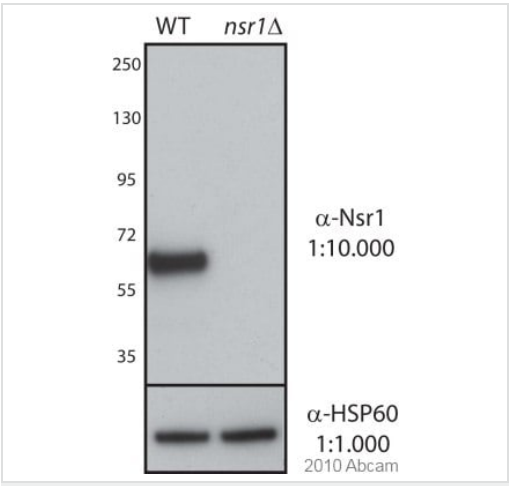
Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/500 - 1/5000. (yeast cells).
WB	★★★★★ (1)	1/10000. Detects a band of approximately 66 kDa (predicted molecular weight: 45 kDa). For non-ECL western detection methods, 1/1000 - 1/5000.

Target

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

Cellular localization Nuclear

Images



Western blot - Anti-Nsr1p antibody [31C4] (ab4642)

Image courtesy of an anonymous Abreview.

All lanes : Anti-Nsr1p antibody [31C4] (ab4642) at 1/10000 dilution

Lane 1 : Saccharomyces cerevisae DDY1810 (WT) whole cell lysate

Lane 2 : Saccharomyces cerevisae DDY1810 (*nsr1* knockout) whole cell lysate

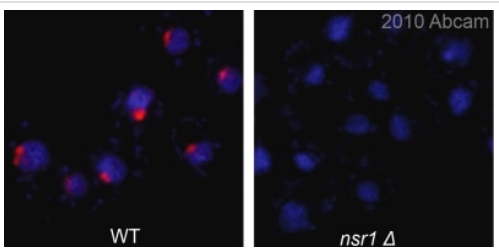
Secondary

All lanes : Rabbit anti-mouse IgG conjugated to peroxidase at 1/30000 dilution

Performed under reducing conditions.

Predicted band size: 45 kDa

Bottom panel: loading control performed using Saccharomyces cerevisae anti-HSP60 (1:1000)



Immunocytochemistry/ Immunofluorescence - Anti-Nsr1p antibody [31C4] (ab4642)

Image courtesy of an anonymous Abreview.

ab4642 (1/5000) detecting Nsr1p in DDY1810 (red). Cells were fixed in paraformaldehyde, permeabilized with methanol/acetone and counterstained with DAPI in order to highlight the nucleus (blue).

Right hand panel: negative control performed using *Saccharomyces cerevisae* DDY1810 *nsr1p* knockout.

For further experimental details please refer to Abreview.

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