Nsp1p antibody [32D6]

Cat. No. GTX24641

Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Yeast

Package
250 µl

Applications

Application Note

IF: Use at a dilution of 1/1000 - 1/1000 (yeast cells). WB: Use at a dilution of 1/10000 (cell lysates) - 1/50000 (nuclear fractions). For other (non-ECL) detection methods, use at a dilution of 1/1000 - 1/5000. Detects a band of approximately 108 kDa and 91 kDa. Optimal dilutions/concentrations should be determined by the end user.

Product Note	This antibody was initially identified as directed against a nuclear pore complex antigen by immunofluorescence localization. A screen of a lgt11 expression library yielded a single positive clone carrying an insert bearing ~66% of the C-terminal portion of NSP1. To confirm that 32D6 possessed high affinity for Nsp1p, strain RS453, which expresses a shortened isoform of Nsp1p, was compared to the wildtype strain BJ5465. NSP1 in RS453 contains an internal deletion that removes the coding sequence for 6 FXFG repeats, which are not essential for function and encodes a protein that has been observed to migrate at approxmately 85 kDa on SDS gels. The predicted size of wildtype Nsp1p is 86.5 kDa, but Nsp1p has been observed to migrate on SDS gels at ~100 kDa. In our gels, the apparent molecular mass of wildtype Nsp1p was 108 kDa, whereas the short isoform of Nsp1p in RS453 migrated at 91 kDa. The detection of two protein bands of apparent sizes 108 kDa and 91 kDa in BJ5465 and RS453, respectively, demonstrated that 32D6 recognized the pore complex protein Nsp1p.

Properties

Form	Liquid
Buffer	Tissue culture supernatant
Preservative	10mM Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Immunogen	This was raised against a yeast nucleolar prep, and screened by immunocytochemistry and western blotting.
Purification	Tissue culture supernatant Sterile filtered.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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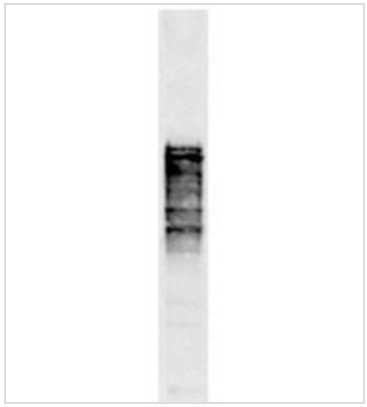
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX24641 WB Image

Western blots of whole yeast protein extracts with a collection of our antibodies. The blot for GTX24641 is in the indicated lane, and the number indicates the SDS-PAGE molecular weight in kDa.

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