

Anti-Nucleolin antibody [3G4B2] ab14966

[5 References](#) [1 Image](#)

Overview

Product name	Anti-Nucleolin antibody [3G4B2]
Description	Mouse monoclonal [3G4B2] to Nucleolin
Host species	Mouse
Specificity	Recognizes human nucleolin, MW 100kD and an additional protein, MW 95kDa in HeLa nuclear extract. The clone number has been updated from (4i51) to (3G4B2) both clone numbers name the same antibody clone.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Nuclear matrix extract from MDCK cells (dog).
Positive control	WB: HeLa nuclear extract. IP: MDCK total cell lysate.
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 30% Glycerol
	Supplied as a liquid in 100µl of culture supernatant containing 0.05% sodium azide prior to the addition of glycerol to 30%.
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	3G4B2
Isotype	IgG1

Applications

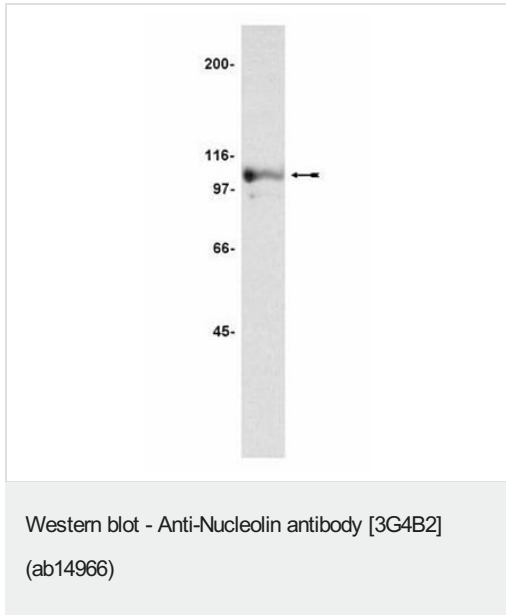
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab14966 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Detects a band of approximately 106 kDa (predicted molecular weight: 85 kDa). A weak non-specific band of ~60kDa is detected in human cell lines with lower antibody dilutions.

Target

Function	Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.
Sequence similarities	Contains 4 RRM (RNA recognition motif) domains.
Post-translational modifications	Some glutamate residues are glycylylated by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group.
Cellular localization	Nucleus > nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



Anti-Nucleolin antibody [3G4B2] (ab14966) at 1/5000 dilution +
Hela nuclear lysate

Developed using the ECL technique.

Predicted band size: 85 kDa

HeLa nuclear extract was probed with anti-nucleolin (1:5000 dilution).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors