

Anti-Nup153 antibody [R4C8] ab81463

[2 References](#) [3 Images](#)

Overview

Product name	Anti-Nup153 antibody [R4C8]
Description	Rat monoclonal [R4C8] to Nup153
Host species	Rat
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment, corresponding to amino acids 610-1191 of Rat Nup153, fused to a tag.
Epitope	Amino acids 610-1191 (Zn finger and FG repeats domain).
Positive control	WB: Nuclear membrane fraction of HeLa cells and NIH3T3 cells. ICC/IF: HeLa cells and rat neuron.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Ion Exchange Chromatography
Purification notes	This antibody was purified from the serum free cultured medium of the hybridoma under mild conditions by propriety chromatography processes. It is filter sterilized.
Clonality	Monoclonal
Clone number	R4C8
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab81463 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		Use at an assay dependent concentration. Predicted molecular weight: 154 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

Function

Possible DNA-binding subunit of the nuclear pore complex (NPC). The repeat-containing domain may be involved in anchoring components of the pore complex to the pore membrane.

Sequence similarities

Contains 4 RanBP2-type zinc fingers.

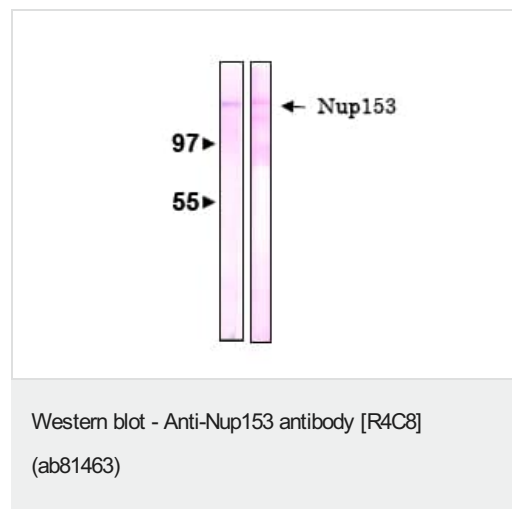
Domain

Contains F-X-F-G repeats.

Cellular localization

Nucleus > nuclear pore complex. Located to the terminal ring structure of the nucleoplasmic cage.

Images



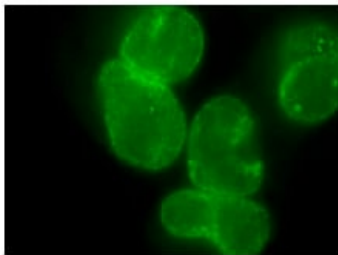
All lanes : Anti-Nup153 antibody [R4C8] (ab81463)

Lane 1 : Nuclear membrane fraction from HeLa cells

Lane 2 : Nuclear membrane fraction from NIH3T3 cells

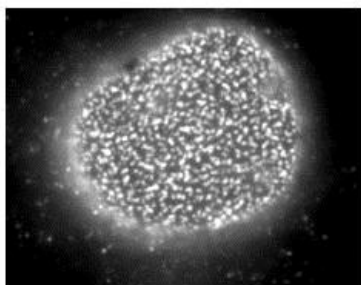
Predicted band size: 154 kDa

Observed band size: 160 kDa



Immunofluorescent staining of HeLa cells with ab81463.

Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [R4C8] (ab81463)



Immunofluorescent staining of rat neuron with ab81463. The dots are Nup153.

Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [R4C8] (ab81463)

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

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