

### Anti-Nup153 antibody [QE5] ab24700

★★★★★ [5 Abreviews](#) [57 References](#) [6 图像](#)

#### 概述

产品名称	Anti-Nup153抗体[QE5]
描述	小鼠单克隆抗体[QE5] to Nup153
宿主	Mouse
特异性	This antibody could also recognise other NPC polypeptides, p250 and p62, apart from Nup153.
经测试应用	<b>适用于:</b> ICC/IF
种属反应性	<b>与反应:</b> Mouse, Human
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: U2OS, HepG2, HeLa, Human and Mouse cells. ICC: NIH3T3 cells
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
纯度	Protein G purified
克隆	单克隆
克隆编号	QE5
同种型	IgG1

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab24700于以下的经测试应用

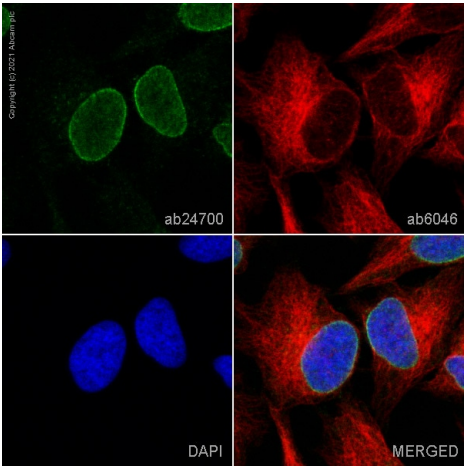
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 1 µg/ml.

靶标

功能	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.
序列相似性	Contains 4 RanBP2-type zinc fingers.
结构域	Contains F-X-F-G repeats.
细胞定位	Nucleus > nuclear pore complex. Located to the terminal ring structure of the nucleoplasmic cage.

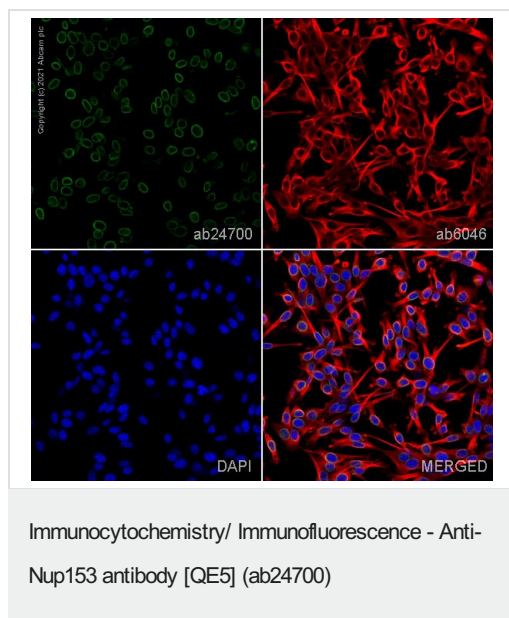
图片



Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [QE5] (ab24700)

ab24700 staining Nup153 in HeLa cells. The cells were fixed with 100% methanol (5 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab24700 at 0.4 µg/ml concentration and **ab6046** (Rabbit polyclonal to beta Tubulin) at 1/1000 dilution overnight at +4°C followed by a further incubation at room temperature for 1h with a goat secondary antibody to mouse IgG (Alexa Fluor® 488) (**ab150117**) at 2 µg/ml (shown in green) and a goat secondary antibody to rabbit IgG (Alexa Fluor® 594) (**ab150080**) at 2 µg/ml (shown in red). Nuclear DNA was labelled in blue with DAPI.

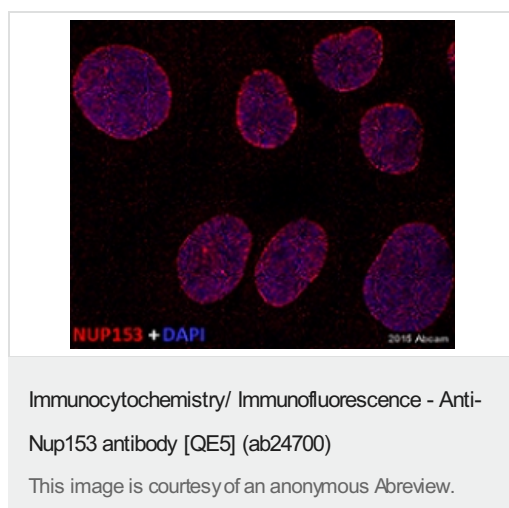
Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).



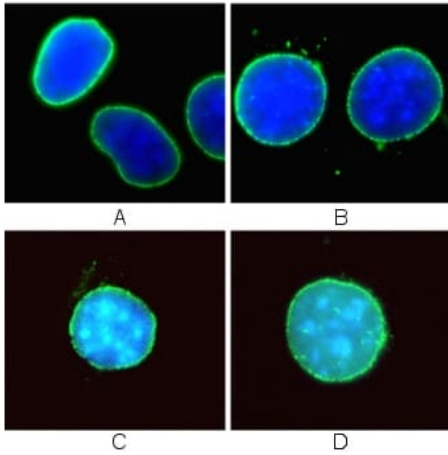
ab24700 staining Nup153 in NIH3T3 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab24700 at 1µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150117**, Goat polyclonal Secondary Antibody to Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 100% methanol (5 min).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunocytochemical analysis of U2OS cells, labeling Nup153 with ab24700. Cells were formaldehyde fixed, permeabilized with NP40, and blocked with 3% BSA for 1 hour at 21°C. Immunostaining with ab24700 diluted 1/100 for 12 hours at 4°C.



Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [QE5] (ab24700)

This image is courtesy of Patrizia Lavia & Maria de Luca, University La Sapienza

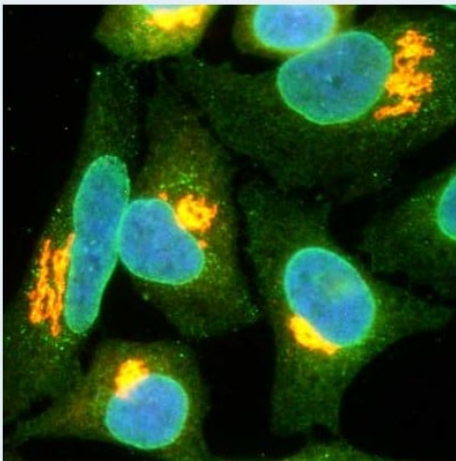
Human and mouse cells treated with different concentrations of ab24700. The cells were fixed in 4% formaldehyde and permeabilized in 0.2% Triton x100 for 10 minutes at room temperature, then washed 3 times in PBS. The fixation and permeabilization was carried out in a single step. The image shows clear staining of the nuclear envelope (green). The DNA is stained with DAPI (blue).

A: HeLa cells, ab24700 used at 4µg/ml

B: 3T3 cells, ab24700 used at 2µg/ml

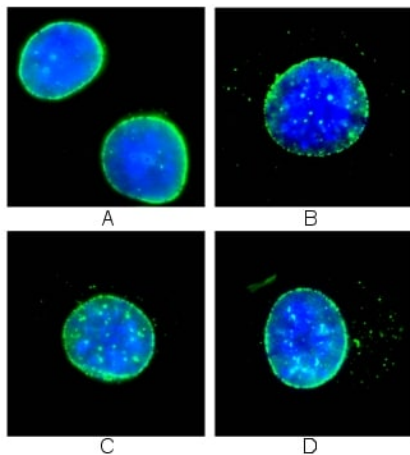
C: 3T3 cells, ab24700 used at 4µg/ml

D: 3T3 cells, ab24700 used at 6.6µg/ml



Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [QE5] (ab24700)

Methanol fixed HeLa stained with ab24700. This antibody brilliantly highlights the nuclear membrane (green). The golgi is stained with Giantin (yellow).



Human and mouse cells treated with different concentrations of ab24700. The cells were fixed in 100% methanol for 20 minutes at -20°C, then washed once in PBS. The image shows clear staining of the nuclear envelope (green). The DNA is stained with DAPI (blue).

A: HeLa cells, ab24700 used at 4µg/ml

B: 3T3 cells, ab24700 used at 2µg/ml

C: 3T3 cells, ab24700 used at 4µg/ml

D: 3T3 cells, ab24700 used at 6.6µg/ml

Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [QE5] (ab24700)

This image is courtesy of Patrizia Lavia & Maria de Luca, University La Sapienza

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