


## Product datasheet

### Anti-NUP133 antibody [EPR10808(B)] αb155990

Recombinant RabMAb

★★★★★ 1 Abreviews 7 References 7 Images

#### Overview

Product name	Anti-NUP133 antibody [EPR10808(B)]
Description	Rabbit monoclonal [EPR10808(B)] to NUP133
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IHC-P
Species reactivity	<b>Reacts with:</b> Human, African green monkey <b>Predicted to work with:</b> Monkey 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, Ramos and SH-SY5Y cell lysates; HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR10808(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab155990 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 - 1/10000. Predicted molecular weight: 129 kDa.
ICC/IF	★★★★★ (1)	1/50 - 1/100.

**Application notes** Is unsuitable for Flow Cyt or IHC-P.

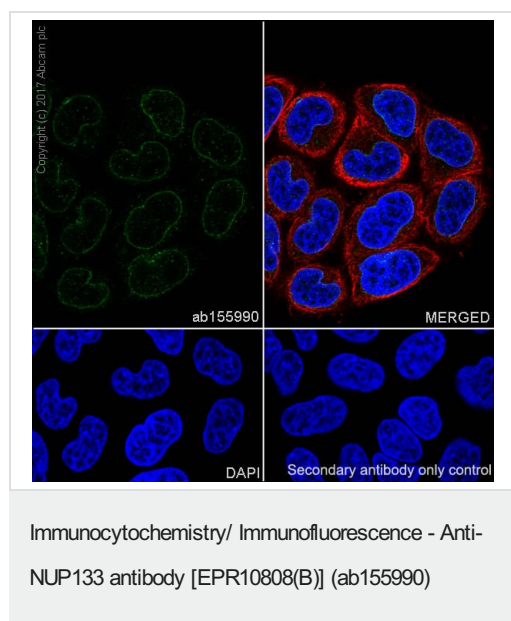
## Target

**Function** Involved in poly(A)+ RNA transport.

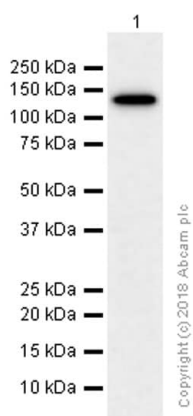
**Sequence similarities** Belongs to the nucleoporin Nup133 family.

**Cellular localization** Nucleus > nuclear pore complex. Chromosome > centromere > kinetochore. Located on both the cytoplasmic and nuclear sides of the nuclear pore. During mitosis, localizes to the kinetochores.

## Images



Immunocytochemistry/ Immunofluorescence analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells labeling NUP133 with purified ab155990 at 1:50 (6.5 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-NUP133 antibody  
[EPR10808(B)] (ab155990)

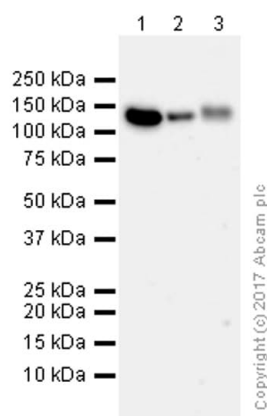
Anti-NUP133 antibody [EPR10808(B)] (ab155990) at 1/1000 dilution (purified) + COS-1 (African green monkey kidney fibroblast-like) whole cell lysates at 15 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 129 kDa

**Observed band size:** 129 kDa



Western blot - Anti-NUP133 antibody  
[EPR10808(B)] (ab155990)

**Lanes 1 & 3 :** Anti-NUP133 antibody [EPR10808(B)] (ab155990) at 1/3000 dilution (purified)

**Lane 2 :** Anti-NUP133 antibody [EPR10808(B)] (ab155990) at 1/3000 dilution (purified)

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

**Lane 2 :** Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysates

**Lane 3 :** SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

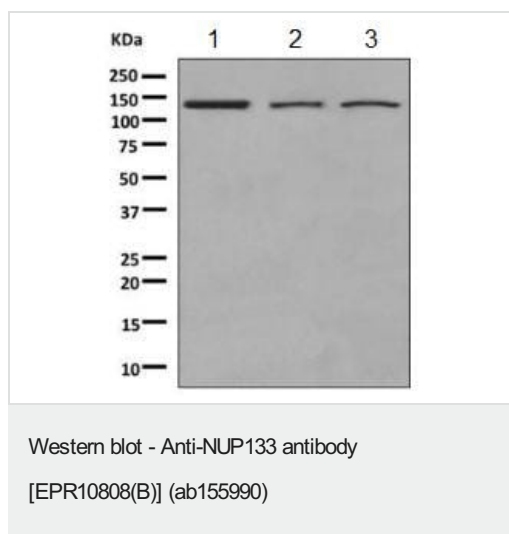
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 129 kDa

**Observed band size:** 129 kDa



**All lanes :** Anti-NUP133 antibody [EPR10808(B)] (ab155990) at 1/1000 dilution (unpurified)

**Lane 1 :** HeLa cell lysate

**Lane 2 :** Ramos cell lysate

**Lane 3 :** SH-SY5Y cell lysate

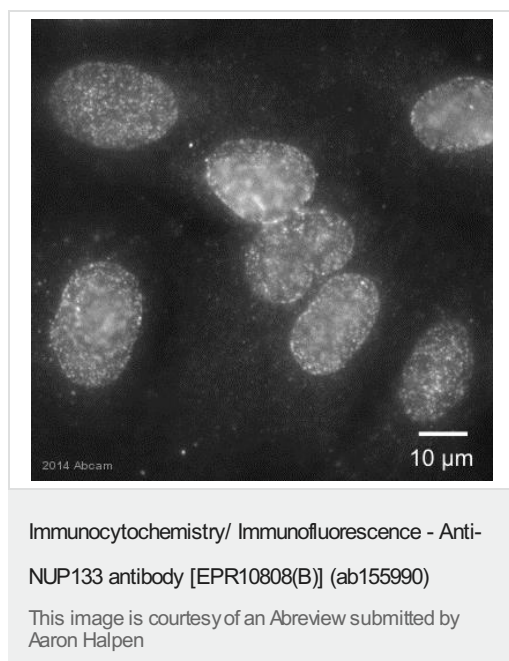
Lysates/proteins at 10 µg per lane.

### Secondary

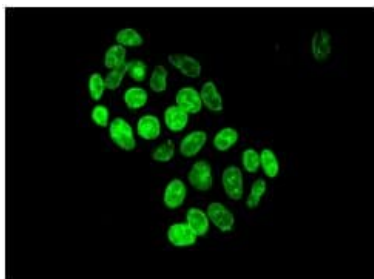
**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 129 kDa

This image was produced using unpurified antibody.



Unpurified ab155990 staining NUP133 in monkey kidney cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and blocked with 3% BSA + 0.5% Triton X-100 for 45 minutes at 25°C. Samples were incubated with primary antibody (1/1500 in 3% BSA + 0.5% Triton X-100) for 45 minutes at 25°C. An Alexa Fluor® 647-conjugated donkey anti-rabbit IgG polyclonal (2 µg/ml) was used as the secondary antibody. This image was produced using unpurified antibody.



Immunofluorescent analysis of HeLa cells labeling NUP133 with unpurified ab155990 at 1/50 dilution. This image was produced using unpurified antibody.

Immunocytochemistry/ Immunofluorescence - Anti-NUP133 antibody [EPR10808(B)] (ab155990)

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-NUP133 antibody [EPR10808(B)] (ab155990)

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

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