

## Product datasheet

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

Recombinant RabMAb

★★★★☆ 1 Abreviews 2 References 6 Images

### Overview

<b>Product name</b>	Anti-NUP133 antibody [EPR10808(B)]
<b>Description</b>	Rabbit monoclonal [EPR10808(B)] to NUP133
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Monkey
<b>Immunogen</b>	Synthetic peptide corresponding to Human NUP133.
<b>Positive control</b>	HeLa, Ramos and SH-SY5Y cell lysates; HeLa cells.
<b>General notes</b>	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

This product is a [recombinant rabbit monoclonal antibody](#).

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.5% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number EPR10808(B)

Isotype IgG

## Applications

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	★★★★☆	1/50 - 1/100.

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

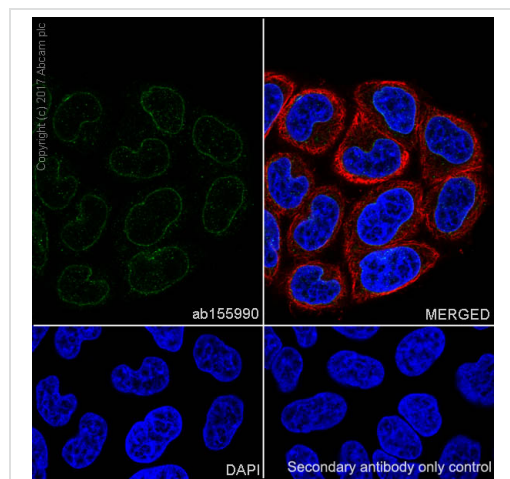
## Target

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

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

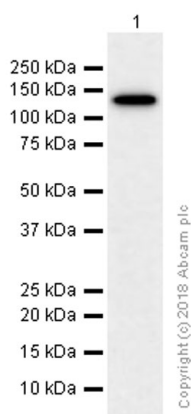
**Cellular localization** Nucleus > nuclear pore complex. Chromosome > centromere > kinetochore. Located on both the cytoplasmic and nuclear sides of the nuclear pore. During mitosis, localizes to the kinetochores.

## 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.

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



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

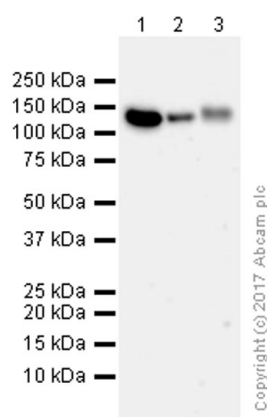
Anti-NUP133 antibody [EPR10808(B)] (ab155990) at 1/1000 dilution (purified) + COS-1 (African green monkey kidney fibroblast-like) whole cell lysates at 15 µg

### 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

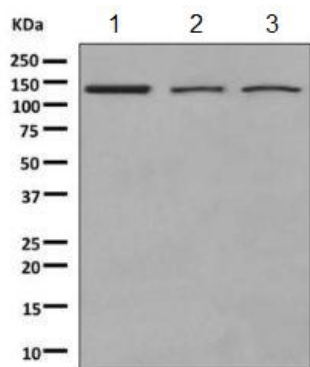
Lysates/proteins at 20 µg per lane.

### 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



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

**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

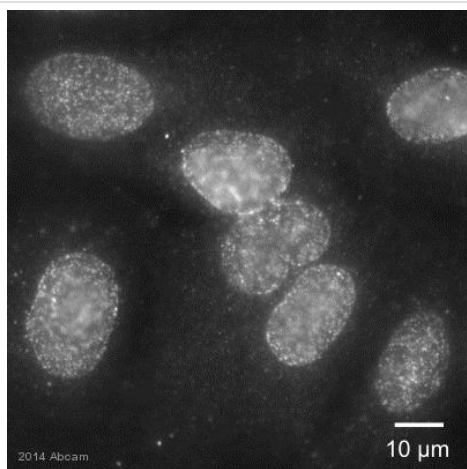
Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 129 kDa

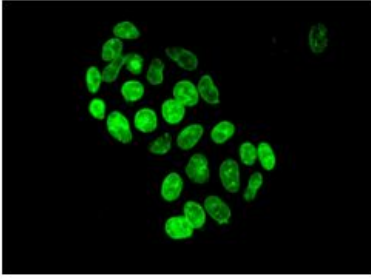
This image was produced using unpurified antibody.



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

This image is courtesy of an Abreview submitted by Aaron Halpen

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)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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