


## Product datasheet

# Anti-Nucleoporin p62/NUP62 antibody ab96134

★★★★★ 4 Abreviews 7 References 6 Images

### Overview

<b>Product name</b>	Anti-Nucleoporin p62/NUP62 antibody
<b>Description</b>	Rabbit polyclonal to Nucleoporin p62/NUP62
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Cow, Zebrafish, Rhesus monkey 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Nucleoporin p62/NUP62 aa 294-502. Database link: <a href="#">NP_057637</a>
<b>Positive control</b>	WB: A431, H1299, PC-12, Rat2, Neuro-2a, GL261, C8D30, NIH/3T3, BCL-1, RAW 264.7 and C2C12 whole cell lysate. ICC/IF: A431 cells. IHC-P: Mouse fore brain tissue.
<b>General notes</b>	This product was previously labelled as Nucleoporin p62

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab96134** 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
IHC-P		1/100 - 1/1000.
WB	★★★★★	1/500 - 1/3000. Predicted molecular weight: 53 kDa.
ICC/IF	★★★★★	1/100 - 1/200.

## Target

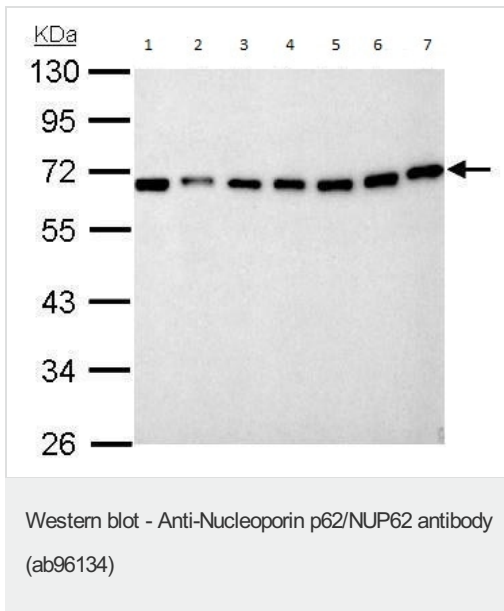
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**Relevance** The nuclear pore complex is a structure that extends across the nuclear envelope and regulates the flow of macromolecules between the cytoplasm and the nucleus. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. Nup 62 is localized to the nuclear pore central plug. This protein associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. There are multiple transcript variants of this gene, however, they encode a single protein isoform. This protein undergoes post-translational modifications. It contains about 10 N-acetylglucosamine side chain sites.

**Cellular localization** Nucleus; nuclear pore complex. Cytoplasm; cytoskeleton; spindle pole. Note: Central region of the nuclear pore, within the transporter. During mitotic cell division, it associates with the poles of the mitotic spindle.

## Images

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**All lanes :** Anti-Nucleoporin p62/NUP62 antibody (ab96134) at 1/1000 dilution

**Lane 1 :** Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate

**Lane 2 :** GL261 whole cell lysate

**Lane 3 :** C8D30 whole cell lysate

**Lane 4 :** NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

**Lane 5 :** BCL-1 (mouse B lymphocyte lymphoma cell line) whole cell lysate

**Lane 6 :** RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

**Lane 7 :** C2C12 (Mouse myoblast cell line) whole cell lysate

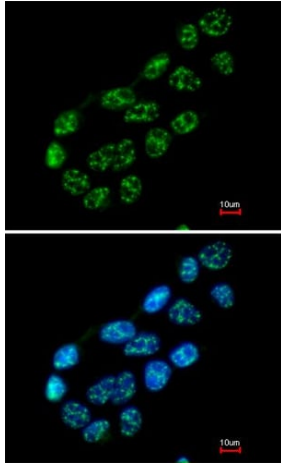
Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG

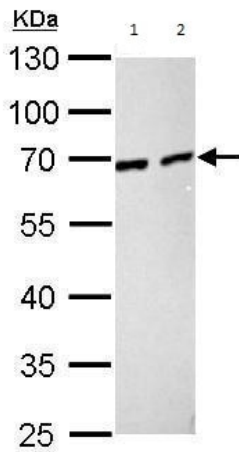
**Predicted band size:** 53 kDa

10% SDS-PAGE.



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoporin p62/NUP62 antibody (ab96134)

ab96134, at a 1/200 dilution, staining Nucleoporin p62/NUP62 in paraformaldehyde fixed A431 by Immunofluorescence analysis. Lower image: merged with DNA probe.



Western blot - Anti-Nucleoporin p62/NUP62 antibody (ab96134)

**All lanes** : Anti-Nucleoporin p62/NUP62 antibody (ab96134) at 1/1000 dilution

**Lane 1** : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

**Lane 2** : Rat2 (Rat fibroblast cell line) whole cell lysate

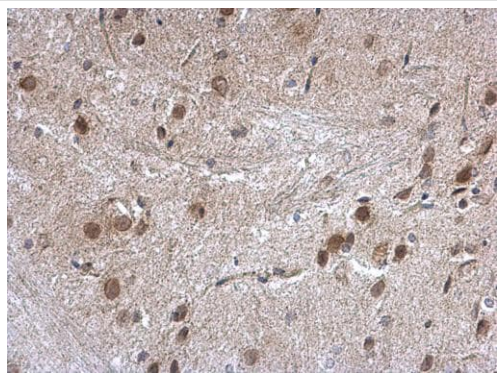
Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes** : HRP-conjugated anti-rabbit IgG

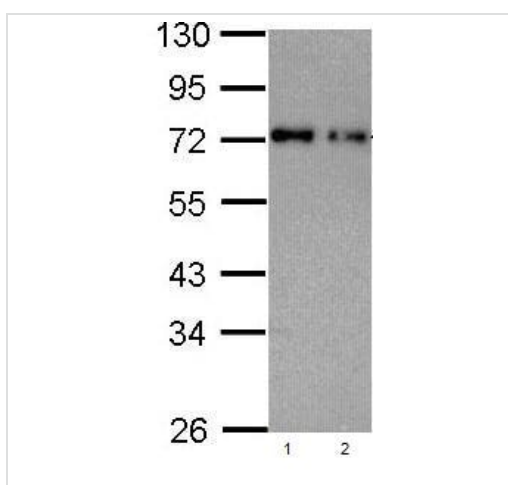
**Predicted band size:** 53 kDa

10% SDS-PAGE.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleoporin p62/NUP62 antibody (ab96134)

Paraffin-embedded mouse fore brain tissue stained for Nucleoporin p62/NUP62 using ab96134 at 1/500 dilution in immunohistochemical analysis.



Western blot - Anti-Nucleoporin p62/NUP62 antibody (ab96134)

**All lanes** : Anti-Nucleoporin p62/NUP62 antibody (ab96134) at 1/1000 dilution

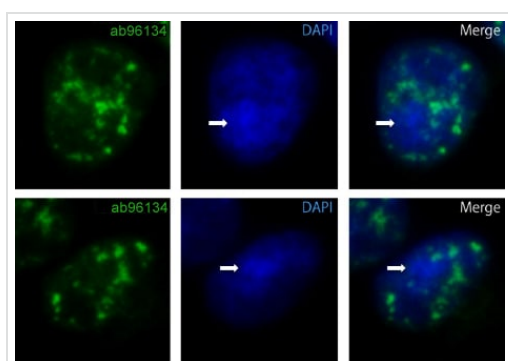
**Lane 1** : A431 whole cell lysate

**Lane 2** : H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 53 kDa

10% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-Nucleoporin p62/NUP62 antibody (ab96134)

Immunofluorescence analysis of A431 cells, staining Nucleoporin p62/NUP62 with ab96134 at 1/200 dilution, demonstrating punctate nuclear staining.

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

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