


Product datasheet

Anti-Nucleoporin p62/NUP62 antibody ab96134

★★★★★ [4 Abreviews](#) [9 References](#) [6 Images](#)

Overview

Product name	Anti-Nucleoporin p62/NUP62 antibody
Description	Rabbit polyclonal to Nucleoporin p62/NUP62
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow, Zebrafish, Rhesus monkey 
Immunogen	Recombinant fragment corresponding to Human Nucleoporin p62/NUP62 aa 294-502. Database link: NP_057637
Positive control	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.
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. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

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	★★★★★ (2)	1/500 - 1/3000. Predicted molecular weight: 53 kDa.
ICC/IF	★★★★★ (1)	1/100 - 1/200.

Target

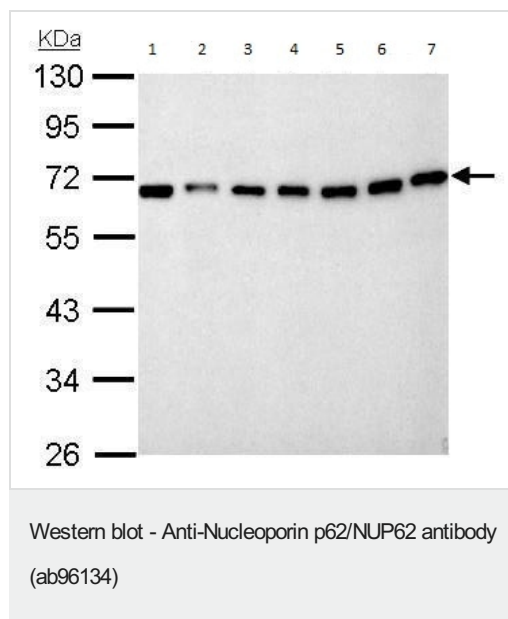
Relevance

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



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

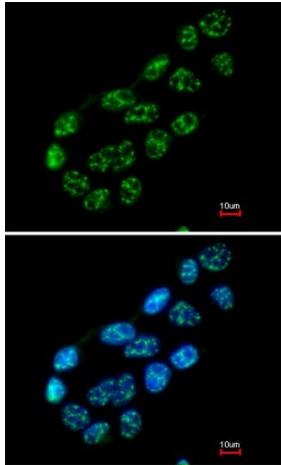
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

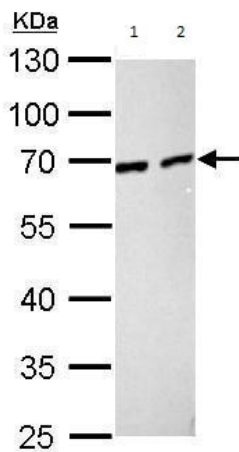
Predicted band size: 53 kDa

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

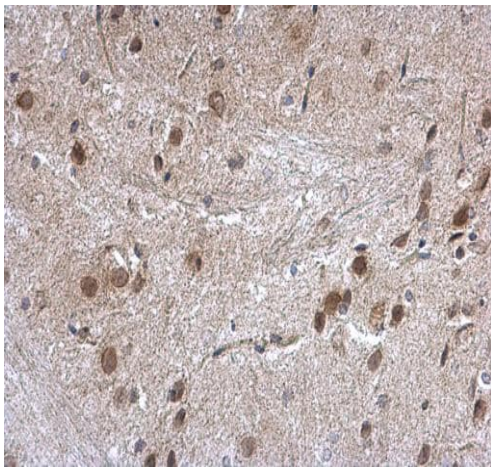
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

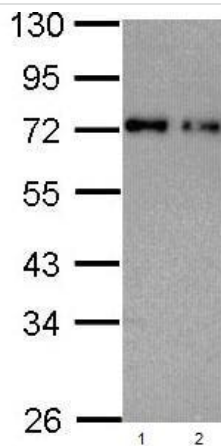
Predicted band size: 53 kDa

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

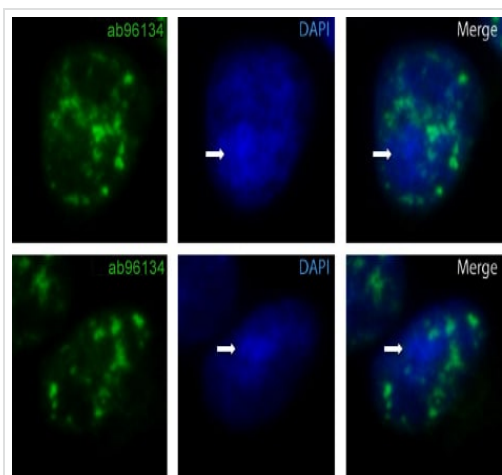
Lane 1 : A431 whole cell lysate

Lane 2 : H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 53 kDa

10% SDS PAGE



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

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

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