

**NUP93 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22063a**

**Specification**

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**NUP93 Antibody (N-Term) - Product Information**

Application	WB, IHC-P-Leica, FC,E
Primary Accession	<a href="#">Q8N1F7</a>
Other Accession	<a href="#">A5PJZ5</a> , <a href="#">Q8BJ71</a> , <a href="#">Q66HC5</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

**NUP93 Antibody (N-Term) - Additional Information**

**Gene ID** 9688

**Other Names**

Nuclear pore complex protein Nup93, 93 kDa nucleoporin, Nucleoporin Nup93, NUP93, KIAA0095

**Target/Specificity**

This NUP93 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 20-54 amino acids from the human NUP93.

**Dilution**

WB~~1:2000  
IHC-P-Leica~~1:100  
FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NUP93 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NUP93 Antibody (N-Term) - Protein Information**

**Name** NUP93

**Synonyms** KIAA0095

**Function** Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance (PubMed:[9348540](#)). May anchor nucleoporins, but not NUP153 and TPR, to the NPC. During renal development, regulates podocyte migration and proliferation through SMAD4 signaling (PubMed:[26878725](#)).

#### Cellular Location

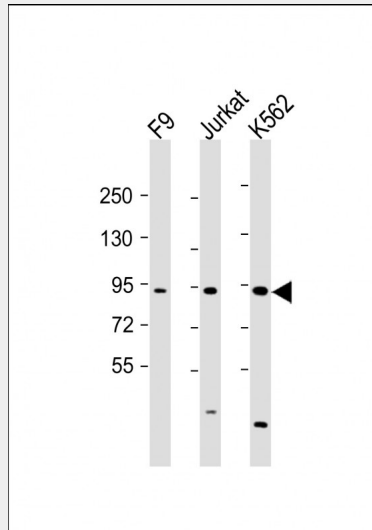
Nucleus membrane {ECO:0000250|UniProtKB:Q66HC5}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q66HC5}. Nucleus, nuclear pore complex. Nucleus envelope  
Note=Localizes at the nuclear basket and at or near the nuclear entry to the gated channel of the pore.

#### NUP93 Antibody (N-Term) - Protocols

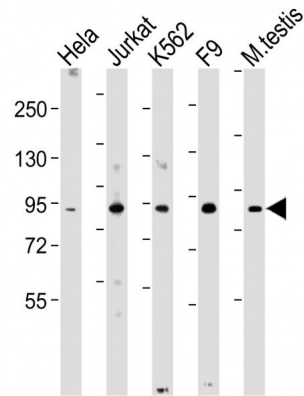
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

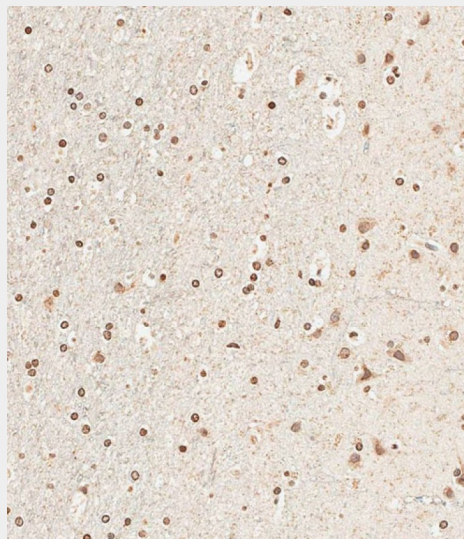
#### NUP93 Antibody (N-Term) - Images



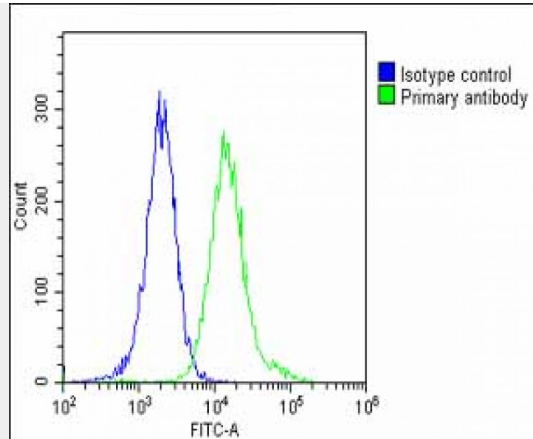
All lanes : Anti-NUP93 Antibody (N-Term) at 1:2000 dilution Lane 1: F9 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



All lanes : Anti-NUP93 Antibody (N-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: K562 whole cell lysate Lane 4: F9 whole cell lysate Lane 5: Mouse testis lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Immunohistochemical analysis of paraffin-embedded human brain tissue using AP22063a performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/100) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing HeLa cells stained with AP22063a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22063a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

#### **NUP93 Antibody (N-Term) - Background**

Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. May anchor nucleoporins, but not NUP153 and TPR, to the NPC.

#### **NUP93 Antibody (N-Term) - References**

- Nagase T., et al. DNA Res. 2:37-43(1995).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Martin J., et al. Nature 432:988-994(2004).
- Grandi P., et al. Mol. Biol. Cell 8:2017-2038(1997).
- Hase M.E., et al. Mol. Biol. Cell 14:1923-1940(2003).