10320 Camino Santa Fe, Suite G
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NUP155 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6661a

Specification

NUP155 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O75694
Other Accession	P37199, Q99P88
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**155199**
Antigen Region	**9-38**

NUP155 Antibody (N-term) - Additional Information

Gene ID 9631

Other Names
Nuclear pore complex protein Nup155, 155 kDa nucleoporin, Nucleoporin Nup155, NUP155, KIAA0791

Target/Specificity
This NUP155 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-38 amino acids from the N-terminal region of human NUP155.

Dilution
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
NUP155 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUP155 Antibody (N-term) - Protein Information

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Name NUP155

Synonyms KIAA0791

Function Essential component of nuclear pore complex. Could be essessential for embryogenesis. Nucleoporins may be involved both in binding and translocating proteins during nucleocytoplasmic transport.

Cellular Location
Nucleus, nuclear pore complex {ECO:0000250|UniProtKB:P37199}. Nucleus membrane {ECO:0000250|UniProtKB:P37199}; Peripheral membrane protein {ECO:0000250|UniProtKB:P37199}; Cytoplasmic side {ECO:0000250|UniProtKB:P37199}. Nucleus membrane {ECO:0000250|UniProtKB:P37199}; Peripheral membrane protein {ECO:0000250|UniProtKB:P37199}; Nucleoplasmic side {ECO:0000250|UniProtKB:P37199}. Note=In mitosis, assumes a diffuse cytoplasmic distribution probably as a monomer, before reversing back into a punctate nuclear surface localization at the end of mitosis {ECO:0000250|UniProtKB:P37199}

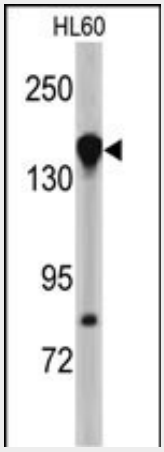
Tissue Location
Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

NUP155 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 Cytomety
- Cell Culture

NUP155 Antibody (N-term) - Images



Western blot analysis of NUP155 antibody (N-term) (Cat. #AP6661a) in HL60 cell line lysates (35ug/lane). NUP155 (arrow) was detected using the purified Pab.

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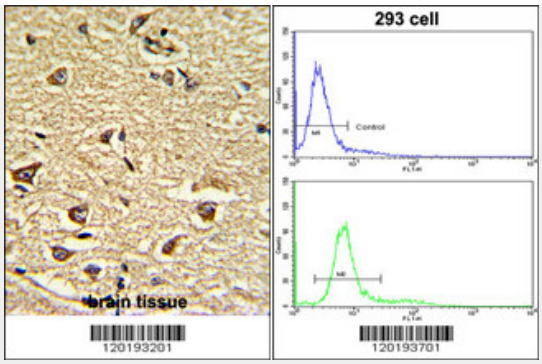

(LEFT)Formalin-fixed and paraffin-embedded human brain tissue reacted with NUP155 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. (RIGHT)Flow cytometric analysis of 293 cells using NUP155 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

NUP155 Antibody (N-term) - Background

Nucleoporins are the main components of the nuclear pore complex (NPC) of eukaryotic cells. They are involved in the bidirectional trafficking of molecules, especially mRNAs and proteins, between the nucleus and the cytoplasm. The protein does not contain the typical FG repeat sequences found in most vertebrate nucleoporins.

NUP155 Antibody (N-term) - References

Zhang,X., Cell 135 (6), 1017-1027 (2008)
Rayala,H.J., Mol. Cell Proteomics 3 (2), 145-155 (2004)