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NUP155 Antibody
Catalog # ASC10731

Specification

NUP155 Antibody - Product Information

Application	**WB**
Primary Accession	O75694
Other Accession	NP_705618, 24430149
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**NUP155 antibody can be used for detection of NUP155 by Western blot at 0.5 - 1 µg/mL.**

NUP155 Antibody - Additional Information

Gene ID **9631**

Target/Specificity
NUP155;

Reconstitution & Storage
NUP155 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
NUP155 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NUP155 Antibody - Protein Information

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}

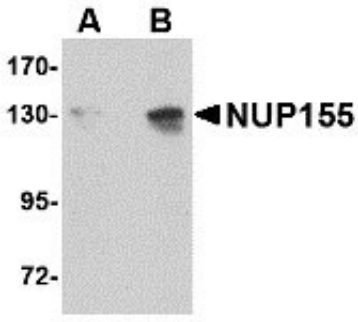
Tissue Location
Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

NUP155 Antibody - 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 - Images



Western blot analysis of NUP155 in P815 cell lysate with NUP155 antibody at (A) 0.5 and (B) 1 µg/mL.

NUP155 Antibody - Background

NUP155 Antibody: The nuclear pore complex (NPC) is a protein assembly localized at the nuclear rim and mediates macromolecular transport between the nucleus and the cytoplasm. One protein in this assembly is the nucleoporin (NUP)-155, which is localized symmetrically to both the nucleoplasmic and cytoplasmic faces of the NPC. NUP155 has been reported to interact with both NUP35 and the mRNA export factor Gle1, but the functions of these interactions are still unknown. NUP155 has also been shown to be required for NPC assembly and nuclear envelope (NE) membrane fusion. NUP155 is recruited late in NE formation, suggesting that NUP155 defines an essential late step in NE assembly. NUP155 has recently been identified as an HIV dependency factor (HDF), suggesting that NUP155 may be an important drug target in HIV treatment. At least two isoforms of NUP155 are known to exist.

NUP155 Antibody - References

Tran EJ and Wente SR. Dynamic nuclear pore complex: life on the edge. Cell2006; 125:1041-53.
Radu A, Blobel G and Wozniak RW. Nup155 is a novel nuclear pore complex protein that contains neither repetitive sequence motifs nor reacts with WGA. J. Cell Biol.1993; 121:1-9.

Hawryluk-Gara LA, Shibuya EK, and Wozniak RW. Vertebrate Nup53 interacts with the nuclear lamina and is required for the assembly of a Nup93-containing complex. Mol. Biol. Cell2005; 16:2382-94.
Rayala HJ, Kendirgi F, Barry DM, et al. The mRNA export factor Gle1 interacts with the nuclear pore complex protein Nup155. Mol. Cell Proteomics2004; 3:145-55.