

NUP107 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3253a**Specification**

NUP107 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P57740
Other Accession	NP_065134.1 , 57122 , 103468 (mouse) , 116555 (rat)
Reactivity	Human, Mouse
Predicted	Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	106374

NUP107 Antibody (internal region) - Additional Information**Gene ID** 57122**Other Names**

Nuclear pore complex protein Nup107, 107 kDa nucleoporin, Nucleoporin Nup107, NUP107

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NUP107 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NUP107 Antibody (internal region) - Protein Information**Name** NUP107**Function**

Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance (PubMed:12552102, PubMed:15229283, PubMed:30179222). Required for the assembly of peripheral proteins into the NPC (PubMed:15229283, PubMed:15229283, PubMed:15229283).

href="http://www.uniprot.org/citations/12552102" target="_blank">12552102). May anchor NUP62 to the NPC (PubMed:15229283). Involved in nephrogenesis (PubMed:30179222).

Cellular Location

Nucleus membrane. Nucleus, nuclear pore complex. Chromosome, centromere, kinetochore.

Note=Located on both the cytoplasmic and nuclear sides of the NPC core structure (PubMed:11564755). During mitosis, localizes to the kinetochores (PubMed:11564755). Dissociates from the disassembled NPC structure late during prophase of mitosis (PubMed:11564755)

Tissue Location

Ubiquitously expressed in fetal and adult tissues.

NUP107 Antibody (internal region) - Protocols

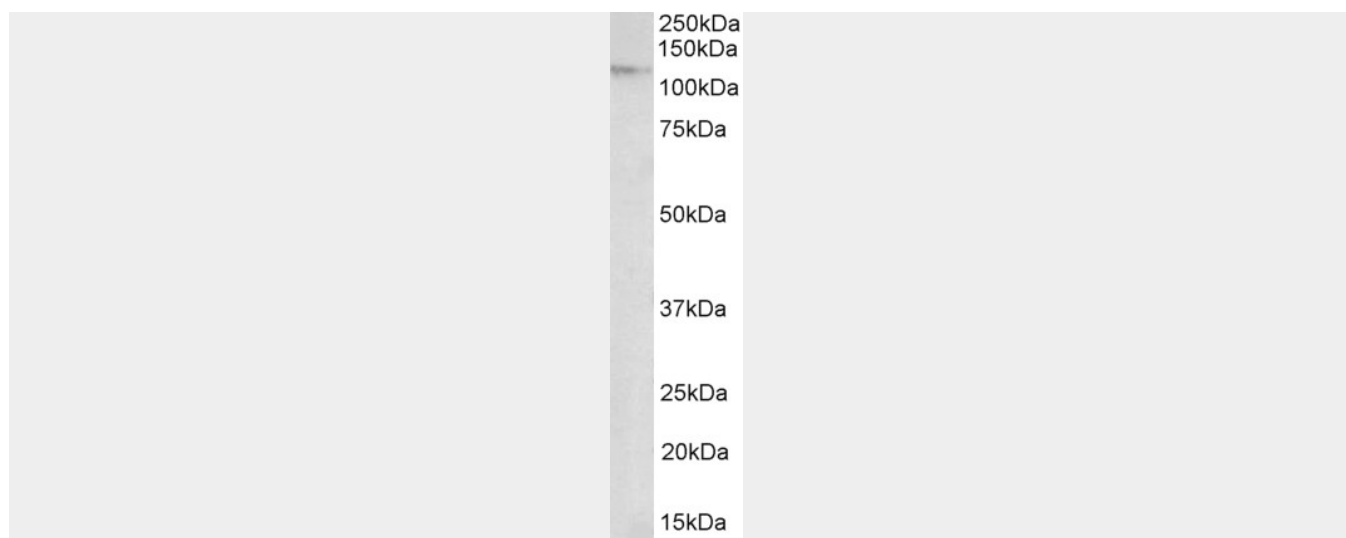
Provided below are standard protocols that you may find useful for product applications.

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

NUP107 Antibody (internal region) - Images



AF3253a (1 µg/ml) staining of Peripheral Blood Lymphocytes lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3253a (2 µg/ml) staining of nuclear lysate of NIH3T3 (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NUP107 Antibody (internal region) - References

Architectural nucleoporins Nup157/170 and Nup133 are structurally related and descend from a second ancestral element. Whittle JR, Schwartz TU, The Journal of biological chemistry 2009 Oct 284 (41): 28442-52. PMID: 19674973