

NUP107 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11787c**Specification**

NUP107 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P57740](#)**NUP107 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 57122**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NUP107 Antibody (Center) Blocking peptide - 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: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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

NUP107 Antibody (Center) Blocking peptide - Images

NUP107 Antibody (Center) Blocking peptide - Background

This gene product is a sequence-specific, single-strandedDNA-binding protein. It binds preferentially to the single strandof the purine-rich element termed PUR, which is present at originsof replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated inthe control of both DNA replication and transcription. Deletion ofthis gene has been associated with myelodysplastic syndrome andacute myelogenous leukemia.

NUP107 Antibody (Center) Blocking peptide - References

Inoue, T., et al. Prostate 69(8):861-873(2009)Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)Kaminski, R., et al. Cancer Biol. Ther. 7(12):1926-1935(2008)Darbinian, N., et al. J. Alzheimers Dis. 15(1):71-82(2008)Wang, L.G., et al. Cancer Res. 68(8):2678-2688(2008)