

**NUP43 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17331c****Specification**

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**NUP43 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8NFH3](#)**NUP43 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 348995**Other Names**

Nucleoporin Nup43, Nup107-160 subcomplex subunit Nup43, p42, NUP43

**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.

**NUP43 Antibody (Center) Blocking Peptide - Protein Information****Name** NUP43**Function**

Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation.

**Cellular Location**

Chromosome, centromere, kinetochore. Nucleus, nuclear pore complex

**NUP43 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NUP43 Antibody (Center) Blocking Peptide - Images****NUP43 Antibody (Center) Blocking Peptide - Background**

Bidirectional transport of macromolecules between the cytoplasm and nucleus occurs through nuclear pore complexes (NPCs) embedded in the nuclear envelope. NPCs are composed of subcomplexes, and NUP43 is part of one such subcomplex, Nup107-160 (Loiodice et al., 2004 [PubMed 15146057]).

#### **NUP43 Antibody (Center) Blocking Peptide - References**

Zuccolo, M., et al. EMBO J. 26(7):1853-1864(2007) Glavy, J.S., et al. Proc. Natl. Acad. Sci. U.S.A. 104(10):3811-3816(2007) Loiodice, I., et al. Mol. Biol. Cell 15(7):3333-3344(2004) Le Rouzic, E., et al. J. Biol. Chem. 277(47):45091-45098(2002) Cronshaw, J.M., et al. J. Cell Biol. 158(5):915-927(2002)