

**CENPQ Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5117c****Specification**

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**CENPQ Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q7L2Z9](#)**CENPQ Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55166**Other Names**

Centromere protein Q, CENP-Q, CENPQ, C6orf139

**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.

**CENPQ Antibody (Center) Blocking Peptide - Protein Information****Name** CENPQ**Synonyms** C6orf139**Function**

Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex (PubMed:<a href="http://www.uniprot.org/citations/16622420" target="\_blank">16622420</a>). Plays an important role in chromosome congression and in the recruitment of CENP-O complex (which comprises CENPO, CENPP, CENPQ and CENPU), CENPE and PLK1 to the kinetochores (PubMed:<a href="http://www.uniprot.org/citations/25395579" target="\_blank">25395579</a>).

**Cellular Location**

Nucleus. Chromosome, centromere. Note=Localizes exclusively in the centromeres. The CENPA-CAD complex is probably recruited on centromeres by the CENPA-NAC complex

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

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

- [Blocking Peptides](#)

#### **CENPQ Antibody (Center) Blocking Peptide - Images**

#### **CENPQ Antibody (Center) Blocking Peptide - Background**

CENPQ is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression.

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

Okada, M., et al. Nat. Cell Biol. 8(5):446-457(2006) Foltz, D.R., et al. Nat. Cell Biol. 8(5):458-469(2006) Mungall, A.J., et al. Nature 425(6960):805-811(2003)