

**C13orf3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8979c****Specification**

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**C13orf3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8IX90](#)**C13orf3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 221150**Other Names**

Spindle and kinetochore-associated protein 3, SKA3, C13orf3, RAMA1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8979c](/products/AP8979c) was selected from the Center region of human C13orf3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**C13orf3 Antibody (Center) Blocking Peptide - Protein Information****Name** SKA3**Synonyms** C13orf3, RAMA1**Function**

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation (PubMed: [19289083](http://www.uniprot.org/citations/19289083), PubMed: [19360002](http://www.uniprot.org/citations/19360002), PubMed: [23085020](http://www.uniprot.org/citations/23085020)). The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies (PubMed: [19289083](http://www.uniprot.org/citations/19289083), PubMed: [19360002](http://www.uniprot.org/citations/19360002)). The complex facilitates the processive movement of microspheres along a microtubule in a

depolymerization-coupled manner (PubMed:<a href="http://www.uniprot.org/citations/19289083" target="\_blank">19289083</a>). In the complex, it mediates the microtubule- stimulated oligomerization (PubMed:<a href="http://www.uniprot.org/citations/19289083" target="\_blank">19289083</a>). Affinity for microtubules is synergistically enhanced in the presence of the ndc-80 complex and may allow the ndc-80 complex to track depolymerizing microtubules (PubMed:<a href="http://www.uniprot.org/citations/23085020" target="\_blank">23085020</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner

**C13orf3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**C13orf3 Antibody (Center) Blocking Peptide - Images****C13orf3 Antibody (Center) Blocking Peptide - Background**

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it mediates the microtubule-stimulated oligomerization.

**C13orf3 Antibody (Center) Blocking Peptide - References**

Rush,J., et.al., Nat. Biotechnol. 23 (1), 94-101 (2005)