

C18orf24 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12001b**Specification**

C18orf24 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q96BD8](#)**C18orf24 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 220134**Other Names**

Spindle and kinetochore-associated protein 1, SKA1, C18orf24

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.

C18orf24 Antibody (C-term) Blocking peptide - Protein Information**Name** SKA1**Synonyms** C18orf24**Function**

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation (PubMed: [17093495](http://www.uniprot.org/citations/17093495), PubMed: [19289083](http://www.uniprot.org/citations/19289083), PubMed: [23085020](http://www.uniprot.org/citations/23085020)). Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint (PubMed: [17093495](http://www.uniprot.org/citations/17093495)). 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)). The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner (PubMed: [19289083](http://www.uniprot.org/citations/19289083)). 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: [23085020](http://www.uniprot.org/citations/23085020))

target="_blank">23085020). In the complex, it mediates the interaction with microtubules (PubMed:19289083, PubMed:23085020).

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 (PubMed:17093495). Localizes to both the mitotic spindle and kinetochore-associated proteins (PubMed:17093495). Associates with kinetochores following microtubule attachment from prometaphase, through mid-anaphase and then vanishes in telophase (PubMed:17093495)

C18orf24 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C18orf24 Antibody (C-term) Blocking peptide - Images

C18orf24 Antibody (C-term) Blocking peptide - Background

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint. 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 interaction with microtubules.

C18orf24 Antibody (C-term) Blocking peptide - References

Crowther-Swanepoel, D., et al. Nat. Genet. 42(2):132-136(2010)Welburn, J.P., et al. Dev. Cell 16(3):374-385(2009)Hanisch, A., et al. EMBO J. 25(23):5504-5515(2006)Sauer, G., et al. Mol. Cell Proteomics 4(1):35-43(2005)