

SKA2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12680a**Specification**

SKA2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8WVK7](#)**SKA2 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 348235

Other Names

Spindle and kinetochore-associated protein 2, Protein FAM33A, SKA2, FAM33A

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.

SKA2 Antibody (N-term) Blocking peptide - Protein Information

Name SKA2

Synonyms FAM33A

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: [17093495](http://www.uniprot.org/citations/17093495), PubMed: [19289083](http://www.uniprot.org/citations/19289083)). In the complex, it is required for SKA1 localization (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).

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. Localizes to both the mitotic spindle and kinetochore-associated proteins.

SKA2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SKA2 Antibody (N-term) Blocking peptide - Images

SKA2 Antibody (N-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 is required for SKA1 localization.

SKA2 Antibody (N-term) Blocking peptide - References

Cao, G., et al. Biochem. Biophys. Res. Commun. 396(4):978-982(2010) Welburn, J.P., et al. Dev. Cell 16(3):374-385(2009) Rice, L., et al. J. Endocrinol. 198(3):499-509(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Hanisch, A., et al. EMBO J. 25(23):5504-5515(2006)