

SKA2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13774**Specification**

SKA2 Antibody (N-Terminus) - Product Information

Application	WB, IHC
Primary Accession	Q8WVK7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14kDa KDa

SKA2 Antibody (N-Terminus) - Additional Information**Gene ID** 348235**Other Names**

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

Target/Specificity

Human SKA2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SKA2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SKA2 Antibody (N-Terminus) - 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, PubMed:19289083). In the complex, it is required for SKA1 localization (PubMed: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

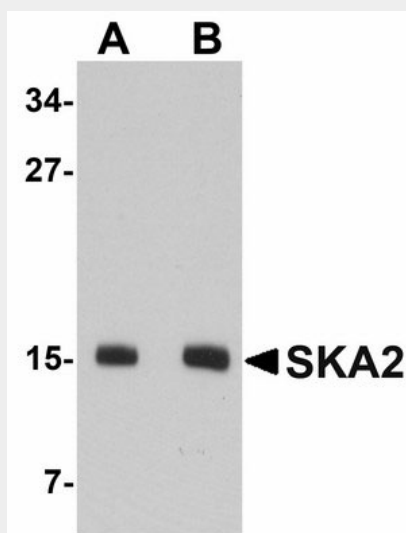
Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner. Localizes to both the mitotic spindle and kinetochore-associated proteins.

SKA2 Antibody (N-Terminus) - Protocols

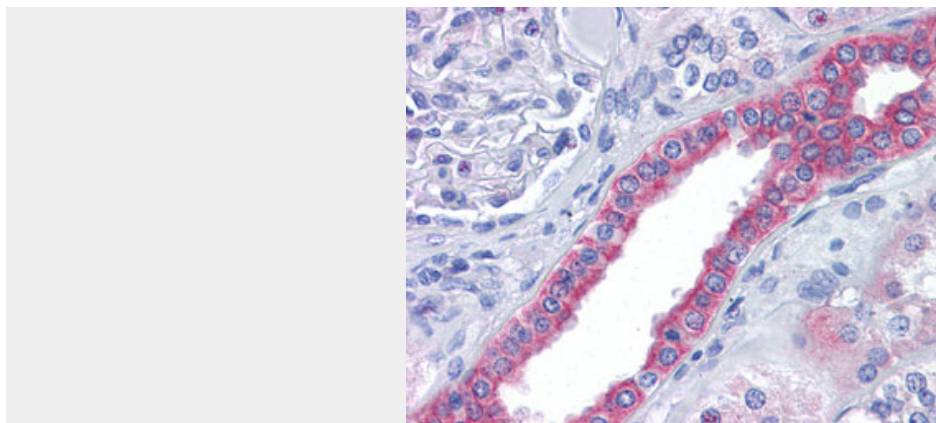
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SKA2 Antibody (N-Terminus) - Images



Western blot of SKA2 in 3T3 cell lysate with SKA2 antibody at (A) 0.5 and (B) 1 ug/ml.



Anti-SKA2 antibody IHC of human kidney.

SKA2 Antibody (N-Terminus) - 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-Terminus) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Hanisch A.,et al.EMBO J. 25:5504-5515(2006).
Rice L.,et al.J. Endocrinol. 198:499-509(2008).