

**SKA2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12680a****Specification**

---

**SKA2 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O8WVK7</a>
Other Accession	<a href="#">O4R8E8</a> , <a href="#">NP_872426.1</a>
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14188
Antigen Region	9-37

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

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

**Target/Specificity**

This SKA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-37 amino acids from the N-terminal region of human SKA2.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**SKA2 Antibody (N-term) - 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](#), PubMed:[19289083](#), PubMed:[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](#)). The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies (PubMed:[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

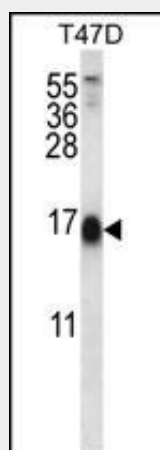
Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner. Localizes to both the mitotic spindle and kinetochore- associated proteins.

## SKA2 Antibody (N-term) - Protocols

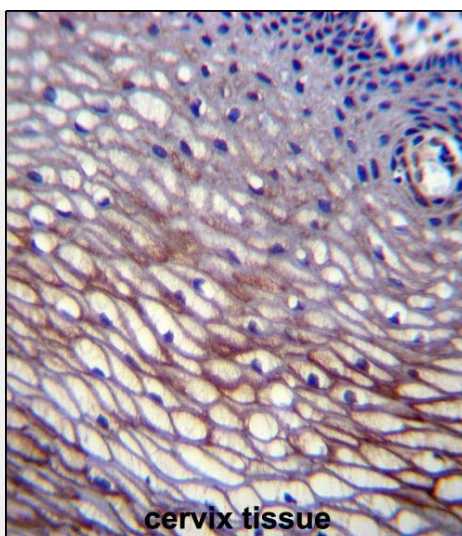
Provided below are standard protocols that you may find useful for product applications.

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

## SKA2 Antibody (N-term) - Images



SKA2 Antibody (N-term) (Cat. #AP12680a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the SKA2 antibody detected the SKA2 protein (arrow).



SKA2 Antibody (N-term) (Cat. #AP12680a) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SKA2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **SKA2 Antibody (N-term) - 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) - 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)