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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	Q8WVK7
Other Accession	Q4R8E8, NP_872426.1
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

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).

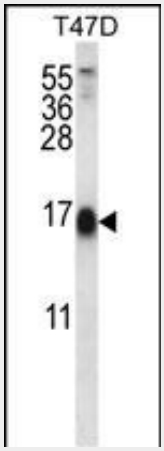
Cellular Location
Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner. Localizes to both the mitotic spindle and kinetochore- associated proteins.

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 Cytomety
- 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).

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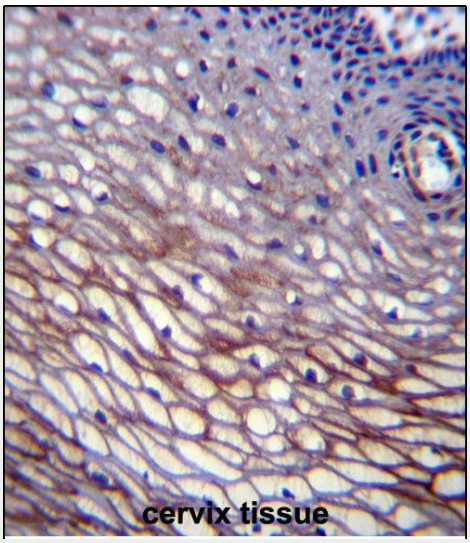

SKA2 Antibody (N-term) (Cat. #AP12680a)immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SKA2 Antibody (N-term) for immunohistochemistry. Clinical relevance 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)
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