

SKA3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8979c**Specification**

SKA3 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q8IX90
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	226-253

SKA3 Antibody (Center) - Additional Information**Gene ID** 221150**Other Names**

Spindle and kinetochore-associated protein 3, SKA3, C13orf3, RAMA1

Target/Specificity

This C13orf3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-253 amino acids from the Central region of human C13orf3.

Dilution

WB~~1:1000

IHC-P~~1:50~100

FC~~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

SKA3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SKA3 Antibody (Center) - Protein Information**Name** SKA3**Synonyms** C13orf3, RAMA1

Function Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation (PubMed:[19289083](#), PubMed:[19360002](#), PubMed:[23085020](#)). The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies (PubMed:[19289083](#), PubMed:[19360002](#)). The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner (PubMed:[19289083](#)). In the complex, it mediates the microtubule-stimulated oligomerization (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

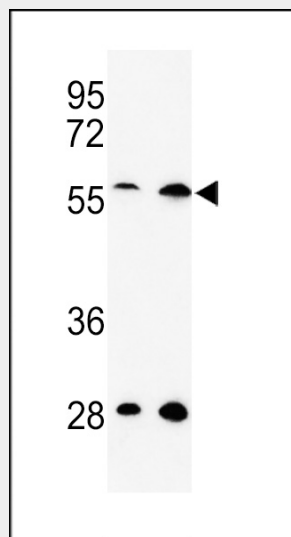
Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner

SKA3 Antibody (Center) - Protocols

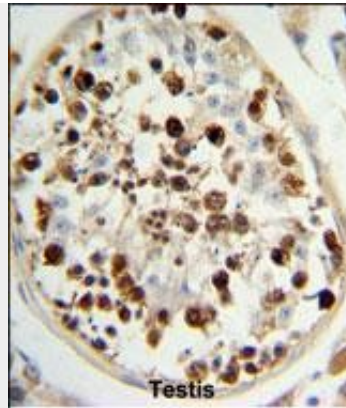
Provided below are standard protocols that you may find useful for product applications.

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

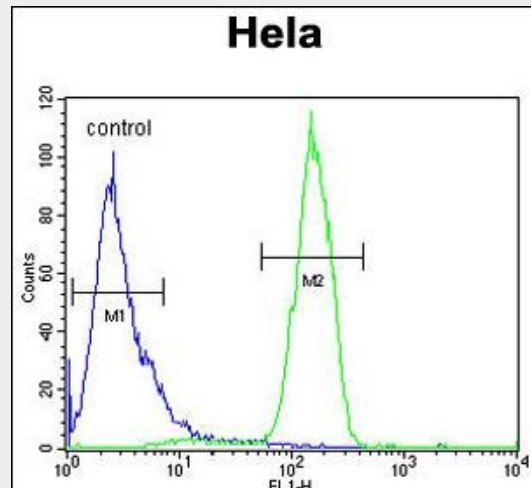
SKA3 Antibody (Center) - Images



Western blot analysis of C13orf3 Antibody (Center) (Cat. #AP8979c) in HeLa, 293 cell line lysates (35ug/lane). C13orf3 (arrow) was detected using the purified Pab.



C13orf3 Antibody (Center) (Cat. #AP8979c) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C13orf3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



C13orf3 Antibody (Center) (Cat. #AP8979c) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SKA3 Antibody (Center) - Background

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. 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 microtubule-stimulated oligomerization.

SKA3 Antibody (Center) - References

Rush, J., et al., Nat. Biotechnol. 23 (1), 94-101 (2005)