

SKA1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13773**Specification**

SKA1 Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	Q96BD8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

SKA1 Antibody (C-Terminus) - Additional Information**Gene ID** 220134**Other Names**

Spindle and kinetochore-associated protein 1, SKA1, C18orf24

Target/Specificity

Human SKA1

Reconstitution & Storage

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

Precautions

SKA1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SKA1 Antibody (C-Terminus) - Protein Information**Name** SKA1**Synonyms** C18orf24**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: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). In the complex, it mediates the interaction with microtubules (PubMed:19289083, PubMed:23085020).

Cellular Location

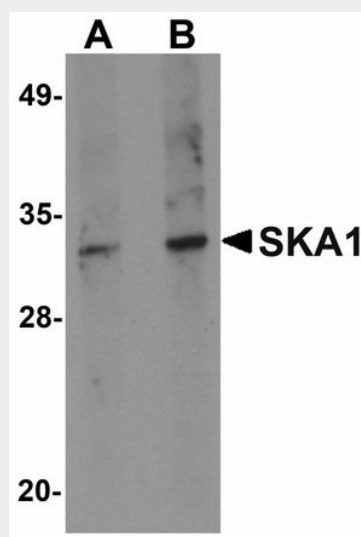
Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore. Note=Localizes to the outer kinetochore and spindle microtubules during mitosis in a NDC80 complex-dependent manner (PubMed:17093495). Localizes to both the mitotic spindle and kinetochore-associated proteins (PubMed:17093495). Associates with kinetochores following microtubule attachment from prometaphase, through mid-anaphase and then vanishes in telophase (PubMed:17093495)

SKA1 Antibody (C-Terminus) - Protocols

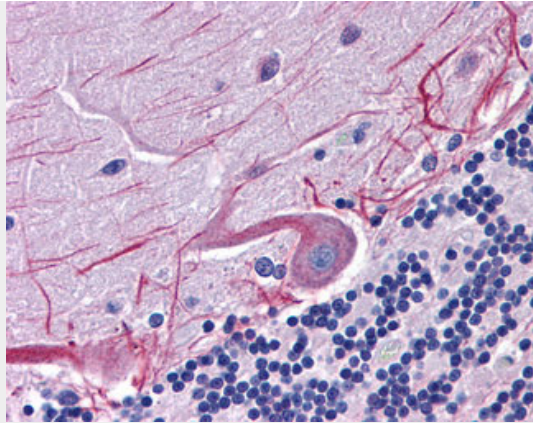
Provided below are standard protocols that you may find useful for product applications.

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

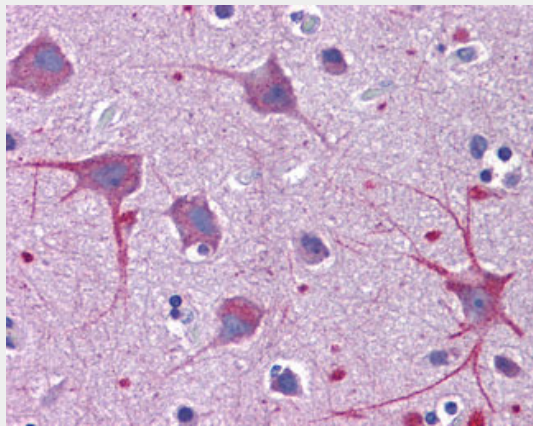
SKA1 Antibody (C-Terminus) - Images



Western blot of SKA1 in A549 cell lysate with SKA1 antibody at (A) 0.5 and (B) 1 ug/ml.



Anti-SKA1 antibody IHC of human brain, cerebellum.



Anti-SKA1 antibody IHC of human brain, cortex.

SKA1 Antibody (C-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 mediates the interaction with microtubules.

SKA1 Antibody (C-Terminus) - References

- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Sauer G.,et al.Mol. Cell. Proteomics 4:35-43(2005).
- Hanisch A.,et al.EMBO J. 25:5504-5515(2006).
- Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).