**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA306843

## SKA1 Rabbit Polyclonal Antibody

### Product data:

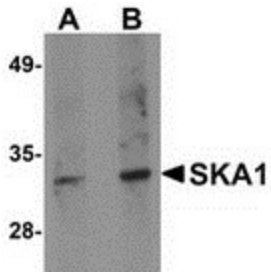
| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB: 0.5 - 1 ug/mL |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | SKA1 antibody was raised against a 13 amino acid peptide from near the carboxy terminus of human SKA1. |
| **Formulation:** | PBS containing 0.02% sodium azide. |
| **Concentration:** | 1ug/ul |
| **Purification:** | Affinity chromatography purified via peptide column |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Gene Name:** | spindle and kinetochore associated complex subunit 1 |
| **Database Link:** | NP_001034624<br>Entrez Gene 66468 MouseEntrez Gene 291441 RatEntrez Gene 220134 Human<br>Q96BD8 |

View online »

**Background:** Upon entry into mitosis, the cell's microtubule (MT) network forms the mitotic spindle, allowing the segregation of paired chromosomes. Proteinaceous structures on centromeric chromatin termed kinetochores (KT) are essential for the proper attachment of the chromosomes to the spindle MTs. A recently discovered spindle and kinetochore complex, comprised of proteins SKA1, SKA2, and SKA3, has been found to be required for stable KT-MT interactions and timely anaphase onset. Depletion of either SKA1 or SKA2 by siRNA results in the loss of both proteins from the KT, but does not impact overall KT structure. Cells depleted of the SKA complex undergo a prolonged checkpoint-dependent delay in a metaphase-like state, indicating the importance of the SKA complex in the maintenance of the metaphase plate and spindle checkpoint silencing.

**Synonyms:** C18orf24

## Product images:




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