

Product datasheet for **TA306844**

SKA2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SKA2 antibody was raised against a 15 amino acid peptide from near the amino terminus of human SKA2.
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 2
Database Link:	NP_872426 Entrez Gene 348235 Human Q8WVK7



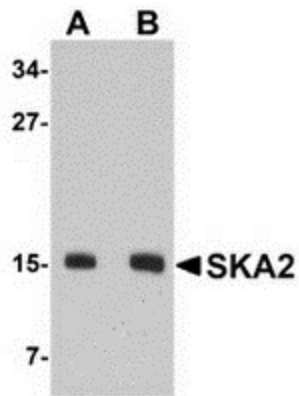
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Background:

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. SKA2 has also been shown to interact with glucocorticoid receptors and to be involved in glucocorticoid signaling and cell proliferation.

Synonyms:

FAM33A

Product images:

Western blot analysis of SKA2 in 3T3 cell lysate with SKA2 antibody at (A) 0.5 and (B) 1 ug/ml.