

**Datasheet for 600-401-EM6****SKA3 Antibody****Overview**

<b>Description:</b>	Anti-SKA3 (RABBIT) Antibody - 600-401-EM6
<b>Item No.:</b>	600-401-EM6
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	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. Like with SKA1 or SKA2, depletion of SKA3 by siRNA delays anaphase transition, resulting in a prolonged a metaphase-like state. These SKA3-depleted cells accumulate high levels of the checkpoint protein Bub1 at kinetochores, suggesting the SKA complex plays a key role in spindle checkpoint silencing and the maintenance of chromosome cohesion in mitosis.
<b>Synonyms:</b>	SKA3 Antibody, RAMA1, C13orf3, RAMA1, Spindle and kinetochore-associated protein 3
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	SKA3
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-SKA3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the C-terminus of human SKA3.

**Purity/Specificity:** Anti-SKA3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SKA3 from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - Q8IX90](#)
- [GeneID - 221150](#)
- [NCBI - NP\\_659498](#)

## Application Details

**Tested Applications:** ELISA, WB

**Application Note:** Anti-SKA3 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 46 kDa in Western Blots of specific cell lysates and tissues.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:5,000 - 1:10,000

**WB:** 0.5-1 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

**Preservative:** 0.02% (w/v) Sodium Azide

**Stabilizer:** None

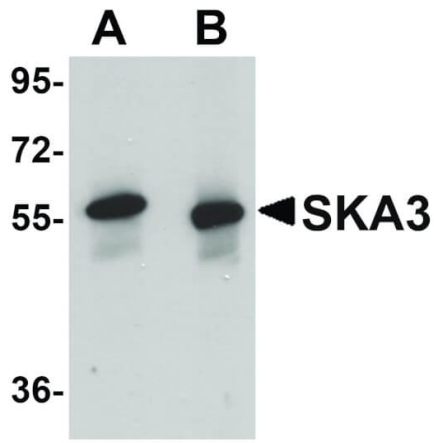
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images

**Western Blot**

Western Blot of SKA3 antibody. Lane 1: human testis tissue lysate with SKA3 antibody at 0.5 µg/mL. Lane 2: human testis tissue lysate with SKA3 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 46 kDa, 55 kDa for SKA3. Other band(s): SKA3 splice variants and isoforms.

**Disclaimer**

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