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Datasheet for 600-401-EM6

SKA3 Antibody

Overview

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

Product Details

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. 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.
Synonyms:	SKA3 Antibody, RAMA1, C13orf3, RAMA1, Spindle and kinetochore-associated protein 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SKA3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	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

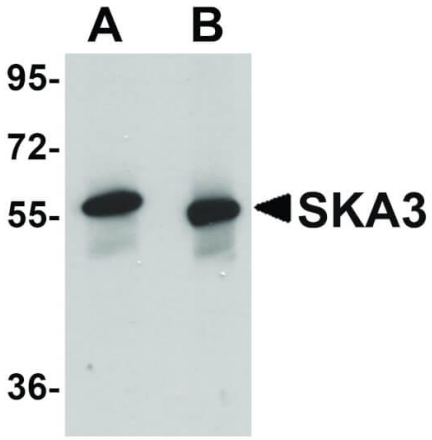
Formulation

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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