SKA3 Antibody

Catalog No: #24972

Orders: order@signalwayantibody.com
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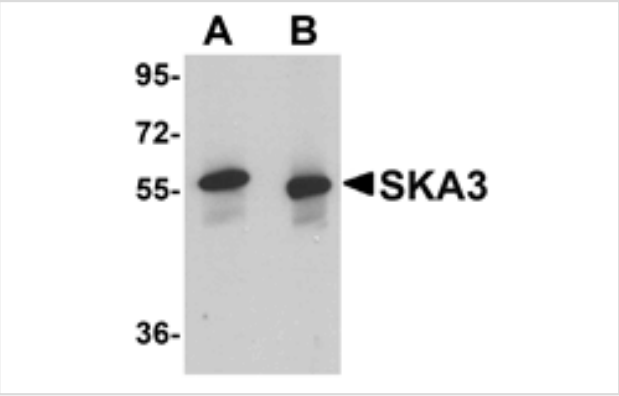
Description

Product Name	SKA3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide from near the carboxy terminus of human SKA3.
Target Name	SKA3
Other Names	Spindle and kinetochore associated complex subunit 3, RAMA1
Accession No.	Swiss-Prot:Q8IX90Gene ID:221150
Uniprot	Q8IX90
GeneID	221150;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SKA3 in human testis tissue lysate with SKA3 antibody at (A) 0.5 and (B) 1 ug/mL.

Background

Upon entry into mitosis, the cellβ 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.

Note: This product is for in vitro research use only