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Rabbit Anti-SKA3 antibody

SL7848R

Product Name:	SKA3
Chinese Name:	纺锤体和着丝粒相关蛋白3抗体
Alias:	C13orf3; RAMA1; SKA3; SKA3_HUMAN; Spindle and kinetochore associated complex subunit 3; Spindle and kinetochore-associated protein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	46kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SKA3:201-300/412
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it mediates the microtubule-stimulated oligomerization.

Function:
Component of the SKA1 complex, a microtubule-bindingsubcomplex of the outer kinetochore that is essential for properchromosome segregation. The SKA1 complex is a direct component ofthe kinetochore-microtubule interface and directly associates withmicrotubules as oligomeric assemblies. The complex facilitates theprocessive movement of microspheres along a microtubule in adepolymerization-coupled manner. In the complex, it mediates themicrotubule-stimulated oligomerization.

Subunit:
Component of the SKA1 complex, composed of SKA1, SKA2 andSKA3. The core SKA1 complex is composed of 2 SKA1-SKA2heterodimers, each heterodimer interacting with a molecule of theSKA3 homodimer. The core SKA1 complex associates with microtubulesand forms oligomeric assemblies. Interacts directly with SKA1.

Subcellular Location:
Cytoplasm, cytoskeleton, spindle.Chromosome, centromere, kinetochore. Note=Localizes to the outerkinetochore and spindle microtubules during mitosis in a NDC80complex-dependent manner.

Similarity:
Belongs to the SKA3 family.

SWISS:
Q8IX90

Gene ID:
221150

Database links:

Entrez Gene: 221150Human

Entrez Gene: 219114Mouse

Entrez Gene: 361047Rat

SwissProt: Q8IX90Human

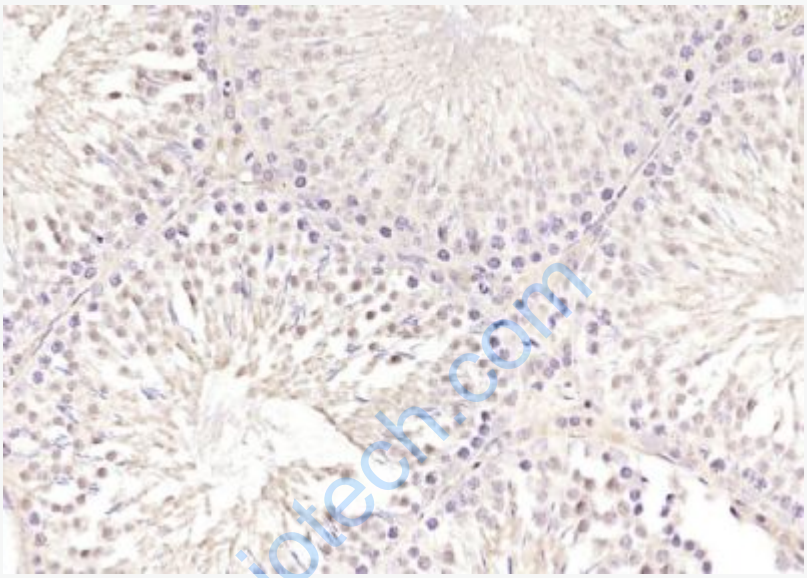
SwissProt: Q8C263Mouse

SwissProt: B2GUZ2Rat

Unigene: 88523Human

Unigene: 30173Mouse

Unigene: 218204Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SKA3) Polyclonal Antibody, Unconjugated (SL7848R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.