



Rabbit Anti-SKA1 antibody

SL7846R

Product Name:	SKA1
Chinese Name:	纺锤体和着丝粒相关蛋白1抗体
Alias:	Ska1; SKA1_HUMAN; Spindle and kinetochore associated complex subunit 1; Spindle and kinetochore associated protein 1; Spindle and kinetochore-associated protein 1; Spindle and KT (kinetochore) associated 1; Spindle and KT associated 1; C18orf24; MGC10200.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
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:	29kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SKA1:181-255/255
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. Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint. 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 interaction with microtubules.

Subunit:

Component of the SKA1 complex, composed of SKA1, SKA2 and SKA3. Forms a heterodimer with SKA2; the heterodimer interacting with SKA3. The core SKA1 complex is composed of 2 SKA1-SKA2 heterodimers, each heterodimer interacting with a molecule of the SKA3 homodimer. The core SKA1 complex associates with microtubules and forms oligomeric assemblies. Interacts directly with microtubules, SKA2 and SKA3.

Subcellular Location:

Cytoplasm, cytoskeleton, spindle. Chromosome, centromere, kinetochore.

Similarity:

Belongs to the SKA1 family.

SWISS:

Q96BD8

Gene ID:

220134

Database links:

[Entrez Gene: 220134](#)Human

[Entrez Gene: 66468](#)Mouse

[Entrez Gene: 291441](#)Rat

[SwissProt: Q96BD8](#)Human

[SwissProt: Q9CPV1](#)Mouse

[SwissProt: B0BN28](#)Rat

[Unigene: 134726](#)Human

[Unigene: 283406](#)Mouse

[Unigene: 106906](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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