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Rabbit Anti-SKA1/APC Conjugated antibody

SL7846R-APC

Product Name	Anti-SKA1/APC
Chinese Name	APC 标记的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.
Research Area	Cell biology immunology Cyclin Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	29kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SKA1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

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.