

Rabbit Anti-SCAPER/Cy5.5 Conjugated antibody

SL17269R-Cy5. 5

Product Name	Anti-SCAPER/Cy5.5
Chinese Name	Cy5.5 标记的 SCAPER 蛋白抗体
Alias	FLJ31533; FLJ31953; FLJ46212; KIAA1454; MSTP063; S phase cyclin A-associated protein in the endoplasmic reticulum; S phase cyclin A-associated protein in the ER; SCAPE_HUMAN; SCAPER; Zfp291; Zinc finger protein 291; ZNF291.
Research Area	
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	158kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SCAPER
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: SCAPER is a 1,399 amino acid protein that contains a C2H2-type zinc finger, a putative transmembrane domain, an ER retrieval signal at the C terminus, four coiled-coil domains, six potential RXL motifs that might confer binding

to cyclins and six consensus Cdk phosphorylation sites. SCAPER interacts with, and is phosphorylated in vitro by, the cyclin A/Cdk2 complex at multiple phases of the cell cycle, including S and G2/M. It has been suggested that SCAPER represents a novel cyclin A/Cdk2 regulatory protein that transiently maintains cyclin A in the cytoplasm. The SCAPER protein is predominantly located in the endoplasmic reticulum, with only a small portion detected in the nucleus. Widely expressed, SCAPER demonstrates highest expression in testis. Existing as two alternatively spliced isoforms, the SCAPER gene is conserved in chimpanzee, dog, mouse, rat, chicken and zebrafish, and maps to human chromosome 15q24.3.

Function:

CCNA2/CDK2 regulatory protein that transiently maintains CCNA2 in the cytoplasm.

Subcellular Location:

Endoplasmic reticulum. Nucleus. Predominantly located in the endoplasmic reticulum, only a small portion is detected in the nucleus.

Tissue Specificity:

Widely expressed with highest expression in testis.

Post-translational modifications:

Phosphorylated in vitro by the CCNA2/CDK2 complex.

Similarity:

Contains 1 C2H2-type zinc finger.

Database links:

[Entrez Gene: 49855](#) Human

[Entrez Gene: 244891](#) Mouse

[Omim: 611611](#) Human

[SwissProt: Q9BY12](#) Human

[Unigene: 458986](#) Human

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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