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Rabbit Anti-SPEM1/Cy5 Conjugated antibody

SL17652R-Cy5

Product Name	Anti-SPEM1/Cy5
Chinese Name	Cy5 标记的精子细胞成熟蛋白 1 抗体
Alias	C17orf83; Spem1; SPEM1_HUMAN; Spermatid maturation 1; Spermatid maturation protein 1.
Research Area	Cell biology Developmental biology Transmembrane protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat)
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	35kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SPEM1
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:** SPEM1 is a 309 amino acid transmembrane and cytoplasmic protein that is required for proper cytoplasm removal during spermatogenesis. SPEM1 interacts with both Ran BP-17 and PLIC-1. Since PLIC-1 functions through binding and directing poly-ubiquitinated proteins to the proteasome for degradation, interactions between PLIC-1 and SPEM1 suggest a role in the regulation of protein ubiquitination during spermiogenesis. The SPEM1 gene maps to human chromosome 17p13.1. Comprising over 2.5% of the human

genome, chromosome 17 consists of about 81 million bases, encodes over 1,200 genes and has the highest gene density in the genome. Chromosome 17 is also enriched in segmental duplications, ranking third in density among the autosomes.

Function:
Required for proper cytoplasm removal during spermatogenesis.

Subcellular Location:
Membrane. Cytoplasm.

Database links:

Entrez Gene: 374768 Human

SwissProt: Q8N4L4 Human

Unigene: 710599 Human

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