

bs-10660R**[Primary Antibody]****SCP3 Rabbit pAb****Bioss**
ANTIBODIES

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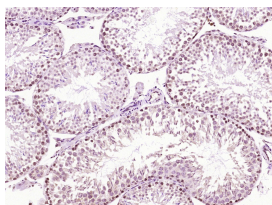
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 50511	SWISS: Q8IZU3	
Target: SCP3		Reactivity: Mouse (predicted: Human, Rat)
Immunogen: KLH conjugated synthetic peptide derived from human SYCP3: 151-236/236.		
Purification: affinity purified by Protein A		Predicted MW.: 27 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (SCP3) Polyclonal Antibody, Unconjugated (bs-10660R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.208]** Baohui Yao. et al. Reproductive Suppression Caused by Spermatogenic Arrest: Transcriptomic Evidence from a Non-Social Animal. INT J MOL SCI. 2023 Jan;24(5):4611 IHC ;Zokor. 36902039
- **[IF=4.8]** Jie Su. et al. Study of spermatogenic and Sertoli cells in the Hu sheep testes at different developmental stages. FASEB J. 2023 Jul;37(8):e23084 IF ;Sheep. 37410073
- **[IF=3.9]** Jiantao Zhao. et al. Triptolide Causes Spermatogenic Disorders by Inducing Apoptosis in the Mitochondrial Pathway of Mouse Testicular Spermatocytes. TOXICS. 2024 Dec;12(12):896 IHC,WB ;Mouse. 39771111
- **[IF=2.4]** Qianwen Chang. et al. Elevated temperature affects the expression of signaling molecules in quail testes

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

meiosis I prophase, but spermatogenesis remains normal. THERIOGENOLOGY. 2024 Aug:: IHC,WB ;Quail. 39142066