

**bs-10473R****[ Primary Antibody ]****CATSPER2 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

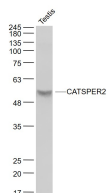
sales@bioss.com.cn

techsupport@bioss.com.cn

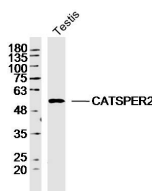
400-901-9800

**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 117155	<b>SWISS:</b> Q8NHT9	
<b>Target:</b> CATSPER2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CATSPER2: 1-100/530.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Calcium ions play a primary role in the regulation of sperm motility. This gene belongs to a family of putative cation channels that are specific to spermatozoa and localize to the flagellum. The protein family features a single repeat with six membrane-spanning segments and a predicted calcium-selective pore region. This gene is part of a tandem repeat on chromosome 15q15; the second copy of this gene is thought to be a pseudogene. Additional splice variants have been described but their full-length nature has not been determined. [provided by RefSeq, Aug 2008].		
		<b>Predicted MW.:</b> 58 kDa
		<b>Subcellular Location:</b> Extracellular matrix

**VALIDATION IMAGES**

Sample: Testis(Rat) Lysate at 40 ug Primary:  
Anti- CATSPER2 (bs-10473R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 58 kD  
Observed band size: 58 kD



Sample: testis (Mouse) Lysate at 40 ug Primary:  
Anti-CATSPER2(bs-10196R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 58 kD  
Observed band size: 58 kD

**SELECTED CITATIONS**

- **[IF=8.071]** Wen-bo Yuan. et al. TET1 mediated male reproductive toxicity induced by Bisphenol A through Catsper-Ca<sup>2+</sup> signaling pathway. Environ Pollut. 2022 Mar;296:118739 WB ;Mouse. 34953956
- **[IF=2.1]** Fang Jia. et al. Proteomics and Metabolomics Study on the Responses of Sertoli Cells Infected With Brucella and Its bvfa-Deletion Strains. PROTEOM CLIN APPL. 2024 Nov;;e202300231 WB ;Mouse. 39512196