

**bs-23326R**

**[ Primary Antibody ]**

## CATSPER Rabbit pAb

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### DATASHEET

**Host:** Rabbit

**Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 117144

**SWISS:** Q8NEC5

**Target:** CATSPER

**Immunogen:** KLH conjugated synthetic peptide derived from human CATSPER: 551-650/780. < Extracellular >

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**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:** CATSPER1 is a voltage-gated calcium channel that plays a central role in sperm cell hyperactivation. It controls calcium entry to mediate the hyperactivated motility, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. It is activated by intracellular alkalinization.

**Applications:** WB (1:500-2000)

**IHC-P** (1:100-500)

**IHC-F** (1:100-500)

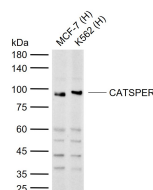
**IF** (1:100-500)

**Reactivity:** Human, Mouse, Rat

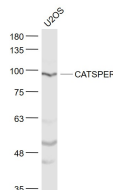
**Predicted MW.:** 90 kDa

**Subcellular Location:** Cell membrane

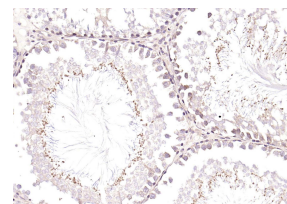
### VALIDATION IMAGES



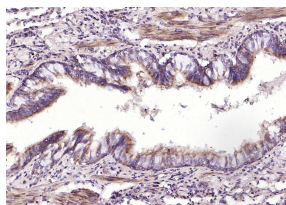
Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human K562 cell lysates Primary: Anti-CATSPER (bs-23326R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kDa Observed band size: 95 kDa



Sample: U2OS(Human) Cell Lysate at 30 ug Primary: Anti- CATSPER (bs-23326R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kD Observed band size: 90 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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; Incubation with (CATSPER) Polyclonal Antibody, Unconjugated (bs-23326R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung); 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; Incubation with (CATSPER) Polyclonal Antibody, Unconjugated (bs-23326R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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