

**CTSR3 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13012b****Specification**

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**CTSR3 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q86XQ3](#)

**CTSR3 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 347732

**Other Names**

Cation channel sperm-associated protein 3, CatSper3, Ca(v)-like protein, One-repeat calcium channel-like protein, CATSPER3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CTSR3 Antibody (C-term) Blocking peptide - Protein Information**

**Name** CATSPER3

**Function**

Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation, acrosome reaction and chemotaxis towards the oocyte.

**Cellular Location**

Cell projection, cilium, flagellum membrane {ECO:0000250|UniProtKB:Q80W99}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q80W99}

**Tissue Location**

Testis-specific.

**CTSR3 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **CTSR3 Antibody (C-term) Blocking peptide - Images**

### **CTSR3 Antibody (C-term) Blocking peptide - Background**

Voltage-gated calcium channel that plays a central role in sperm cell hyperactivation. 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. Activated by intracellular alkalinization (By similarity).

### **CTSR3 Antibody (C-term) Blocking peptide - References**

Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008) Qi, H., et al. Proc. Natl. Acad. Sci. U.S.A. 104(4):1219-1223(2007) Clapham, D.E., et al. Pharmacol. Rev. 57(4):451-454(2005) Lobley, A., et al. Reprod. Biol. Endocrinol. 1, 53 (2003) :Arias, J.M., et al. Biochem. Biophys. Res. Commun. 303(1):31-36(2003)