

**CST11 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10501c****Specification**

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**CST11 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O9H112](#)  
Other Accession [NP\\_543020.2](#), [NP\\_570612.1](#)

**CST11 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 140880

**Other Names**

Cystatin-11, CST11, CST8L

**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.

**CST11 Antibody (Center) Blocking Peptide - Protein Information**

**Name** CST11

**Synonyms** CST8L

**Function**

Has antibacterial activity against the Gram-negative bacteria E.coli. May play a role in sperm maturation and fertilization.

**Cellular Location**

Secreted. Note=Probably secreted into the epididymis lumen, where it localizes to the outer surface of sperm. Specifically localizes to the postacrosomal and tail regions of sperm.

**Tissue Location**

Detected in the epithelium and lumen of the epididymis, and in sperm (at protein level)

**CST11 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **CST11 Antibody (Center) Blocking Peptide - Images**

### **CST11 Antibody (Center) Blocking Peptide - Background**

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. CST11 is located in the cystatin locus and encodes an epididymal-specific protein whose specific function has not been determined. Alternative splicing yields two variants encoding distinct isoforms.

### **CST11 Antibody (Center) Blocking Peptide - References**

Hamil, K.G., et al. Endocrinology 143(7):2787-2796(2002) Deloukas, P., et al. Nature 414(6866):865-871(2001) Brown, W.M., et al. Protein Sci. 6(1):5-12(1997) Dickinson, D.P., et al. Genomics 24(1):172-175(1994) Thiesse, M., et al. DNA Cell Biol. 13(2):97-116(1994)