

**CST8 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10178a****Specification**

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**CST8 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O60676](#)  
Other Accession [NP\\_005483.1](#)

**CST8 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 10047

**Other Names**

Cystatin-8, Cystatin-related epididymal spermatogenic protein, CST8, CRES

**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.

**CST8 Antibody (N-term) Blocking peptide - Protein Information**

**Name** CST8

**Synonyms** CRES

**Function**

Performs a specialized role during sperm development and maturation.

**Cellular Location**

Secreted.

**Tissue Location**

Proximal caput region of the epididymis. Lower expression in the testis. Within the testis it is localized to the elongating spermatids, whereas within the epididymis it is exclusively synthesized by the proximal caput epithelium

**CST8 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CST8 Antibody (N-term) Blocking peptide - Images**

#### **CST8 Antibody (N-term) 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. This gene is located in the cystatin locus and encodes a protein similar to type 2 cystatins. The protein exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. Alternative splicing identified in mouse is suggested in human based on EST evidence but the full-length nature of putative variants has not been determined.

#### **CST8 Antibody (N-term) Blocking peptide - References**

Frygeliuss, J., et al. *Evol. Dev.* 12(3):329-342(2010) Chapuis, J., et al. *Mol. Psychiatry* 14(11):1004-1016(2009) Lamesch, P., et al. *Genomics* 89(3):307-315(2007) Ramachandran, P., et al. *J. Proteome Res.* 5(6):1493-1503(2006) Wassler, M., et al. *Biol. Reprod.* 67(3):795-803(2002)