

CST2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13967a**Specification**

CST2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P09228](#)**CST2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1470**Other Names**

Cystatin-SA, Cystatin-2, Cystatin-S5, CST2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13967a was selected from the N-term region of CST2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CST2 Antibody (N-term) Blocking peptide - Protein Information**Name** CST2**Function**

Thiol protease inhibitor.

Cellular Location

Secreted.

Tissue Location

Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level).
Expressed in submandibular gland and parotid gland.

CST2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CST2 Antibody (N-term) Blocking peptide - Images

CST2 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, where they appear to provide protective functions. 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 secreted thiol protease inhibitor found at high levels in saliva, tears and seminal plasma.

CST2 Antibody (N-term) Blocking peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010) Liu, C., et al. Mol. Med. 14 (9-10), 575-581 (2008) :Lamesch, P., et al. Genomics 89(3):307-315(2007) Ito, T., et al. Mol. Immunol. 42(10):1259-1263(2005)