

CST5 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8984c**Specification**

CST5 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P28325](#)**CST5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1473**Other Names**

Cystatin-D, Cystatin-5, CST5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8984c](/products/AP8984c) was selected from the Center region of human CST5. 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.

CST5 Antibody (Center) Blocking Peptide - Protein Information**Name** CST5**Function**

Cysteine proteinase inhibitor that possibly plays a protective role against proteinases present in the oral cavity. The order of preference for inhibition is cathepsin S > cathepsin H > cathepsin L > cathepsin B.

Cellular Location

Secreted.

Tissue Location

Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level).
Expressed in parotid gland but not in seminal vesicle, prostate, epididymis, testis, ovary, placenta, thyroid, gastric corpus, small intestine, liver, or gall bladder tissue.

CST5 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CST5 Antibody (Center) Blocking Peptide - Images

CST5 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. CST5 may play a protective role against proteinases present in the oral cavity.

CST5 Antibody (Center) Blocking Peptide - References

Freije, J.P., et.al., J. Biol. Chem. 266 (30), 20538-20543 (1991)