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CST3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4872b

Specification

CST3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P01034

CST3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1471

Other Names
Cystatin-C, Cystatin-3, Gamma-trace, Neuroendocrine basic polypeptide, Post-gamma-globulin, CST3

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.

CST3 Antibody (C-term) Blocking Peptide - Protein Information

Name CST3

Function
As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity.

Cellular Location
Secreted.

Tissue Location
Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland

CST3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CST3 Antibody (C-term) Blocking Peptide - Images

CST3 Antibody (C-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 the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body.

CST3 Antibody (C-term) Blocking Peptide - References

Maetzler, W., et al. J. Alzheimers Dis. 19(3):937-942(2010)Choe, J.Y., et al. J. Korean Med. Sci. 25(1):42-48(2010)Ge, C., et al. Clin Cardiol 32(11):644-648(2009)

CST3 Antibody (C-term) Blocking Peptide - Citations

- Cystatin C Expression is Promoted by VEGFA Blocking, With Inhibitory Effects on Endothelial Cell Angiogenic Functions Including Proliferation, Migration, and Chorioallantoic Membrane Angiogenesis.