

CSTA Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14350b

Specification

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

Primary Accession [P01040](#)

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

Gene ID 1475

Other Names

Cystatin-A, Cystatin-AS, Stefin-A, Cystatin-A, N-terminally processed, CSTA, STF1, STFA

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.

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

Name CSTA

Synonyms STF1, STFA

Function

This is an intracellular thiol proteinase inhibitor. Has an important role in desmosome-mediated cell-cell adhesion in the lower levels of the epidermis.

Cellular Location

Cytoplasm.

Tissue Location

Expressed in the skin throughout the epidermis.

CSTA Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CSTA Antibody (C-term) Blocking Peptide - Images**CSTA 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 kininogens. This gene encodes stefin A that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.

CSTA Antibody (C-term) Blocking Peptide - References

O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010) Kestenbaum, B., et al. J. Am. Soc. Nephrol. 21(7):1223-1232(2010) Takai, T., et al. J. Immunol. 183(12):7958-7965(2009) Vasilopoulos, Y., et al. Eur. J. Hum. Genet. 16(8):1002-1009(2008) Parker, B.S., et al. J. Pathol. 214(3):337-346(2008)