

**ST14 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6248a****Specification**

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**ST14 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession  
Other Accession[O9Y5Y6](#)  
[NP\\_068813](#)**ST14 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6768**Other Names**

Suppressor of tumorigenicity 14 protein, Matriptase, Membrane-type serine protease 1, MT-SP1, Prostamin, Serine protease 14, Serine protease TADG-15, Tumor-associated differentially-expressed gene 15 protein, ST14, PRSS14, SNC19, TADG15

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6248a](/product/products/AP6248a) was selected from the C-term region of human ST14. 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.

**ST14 Antibody (C-term) Blocking Peptide - Protein Information****Name** ST14**Synonyms** PRSS14, SNC19, TADG15**Function**

Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site (PubMed: [10373424](http://www.uniprot.org/citations/10373424)). Involved in the terminal differentiation of keratinocytes through prostatic (PRSS8) activation and filaggrin (FLG) processing (PubMed: [18843291](http://www.uniprot.org/citations/18843291)). Proteolytically cleaves and therefore activates TMPRSS13 (PubMed: [28710277](http://www.uniprot.org/citations/28710277)).

**Cellular Location**

Membrane; Single-pass type II membrane protein

**ST14 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ST14 Antibody (C-term) Blocking Peptide - Images****ST14 Antibody (C-term) Blocking Peptide - Background**

ST14 is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis.

**ST14 Antibody (C-term) Blocking Peptide - References**

Santin, A.D., et al., Cancer 98(9):1898-1904 (2003).Oberst, M.D., et al., J. Biol. Chem. 278(29):26773-26779 (2003).Ihara, S., et al., J. Biol. Chem. 277(19):16960-16967 (2002).Benaud, C.M., et al., Clin. Exp. Metastasis 19(7):639-649 (2002).Benaud, C., et al., J. Biol. Chem. 277(12):10539-10546 (2002).