

SERPINC1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6715b**Specification**

SERPINC1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P01008](#)**SERPINC1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 462**Other Names**

Antithrombin-III, ATIII, Serpin C1, SERPINC1, AT3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6715b](/products/AP6715b) was selected from the C-term region of human SERPINC1. 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.

SERPINC1 Antibody (C-term) Blocking Peptide - Protein Information**Name** SERPINC1**Synonyms** AT3**Function**

Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade (PubMed: [15853774](http://www.uniprot.org/citations/15853774), PubMed: [15140129](http://www.uniprot.org/citations/15140129)). AT-III inhibits thrombin, matriptase-3/TMPRSS7, as well as factors IXa, Xa and XIa (PubMed: [15140129](http://www.uniprot.org/citations/15140129)). Its inhibitory activity is greatly enhanced in the presence of heparin.

Cellular Location

Secreted, extracellular space.

Tissue Location

Found in plasma.

SERPINC1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SERPINC1 Antibody (C-term) Blocking Peptide - Images**SERPINC1 Antibody (C-term) Blocking Peptide - Background**

SERPINC1 is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin.

SERPINC1 Antibody (C-term) Blocking Peptide - References

Doi,T., Arch. Biochem. Biophys. 489 (1-2), 62-67 (2009)Sun,X.J., J. Biol. Chem. 264 (19), 11288-11293 (1989)