10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20788c

Specification

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Product Information

Primary Accession P01009

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Additional Information

Gene ID 5265

Other Names
Alpha-1-antitrypsin, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, Serpin A1, Short peptide from AAT, SPAAT, SERPINA1, AAT, PI

Target/Specificity
The synthetic peptide sequence is selected from aa 404-418 of HUMAN SERPINA1

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.

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Protein Information

Name SERPINA1 (HGNC:8941)

Synonyms AAT, PI

Function
Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.

Cellular Location
Secreted. Endoplasmic reticulum. Note=The S and Z allele are not secreted effectively and accumulate intracellularly in the endoplasmic reticulum

Tissue Location
Ubiquitous. Expressed in leukocytes and plasma.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Images

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - Background

Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.

SERPINA1(Short peptide from AAT) Blocking Peptide (C-term) - References

Bollen A.,et al.DNA 2:255-264(1983).
Long G.L.,et al.Biochemistry 23:4828-4837(1984).
Rosenberg S.,et al.Nature 312:77-80(1984).
Ciliberto G.,et al.Cell 41:531-540(1985).
Nukiwa T.,et al.J. Biol. Chem. 261:15989-15994(1986).