

SERPINA1(Short peptide from AAT) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5330

Specification

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

| | |
|-------------------|------------------------|
| Application | WB,E |
| Primary Accession | P01009 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | polyclonal |
| Calculated MW | H=47 KDa |
| Isotype | Rabbit IgG |
| Antigen Source | HUMAN |

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

Gene ID 5265

Antigen Region
390-418

Other Names

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

Dilution

WB~~1:1000

Target/Specificity

This SERPINA1(Short peptide from AAT) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 390-418 amino acids from the C-terminal region of human SERPINA1(Short peptide from AAT).

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SERPINA1(Short peptide from AAT) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SERPINA1(Short peptide from AAT) Antibody (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

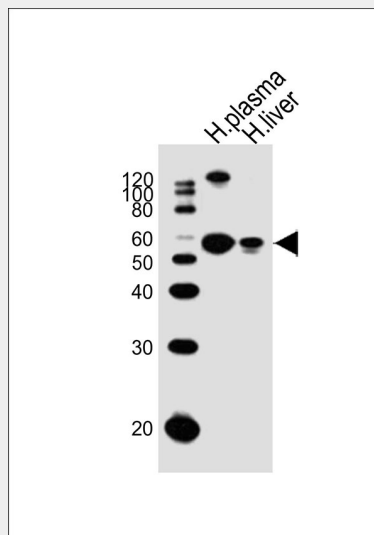
Ubiquitous. Expressed in leukocytes and plasma.

SERPINA1(Short peptide from AAT) Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SERPINA1(Short peptide from AAT) Antibody (C-term) - Images



Western blot analysis of lysates from human plasma, human liver tissue lysate (from left to right), using SERPINA1(Short peptide from AAT) Antibody (C-term)(Cat. #AW5330). AW5330 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

SERPINA1(Short peptide from AAT) Antibody (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) Antibody (C-term) - References

- Bollen A.,et al.DNA 2:255-264(1983).
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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).