

**SERPINA1 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI16165****Specification**

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**SERPINA1 antibody - C-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P01009</a>
Other Accession	<a href="#">NM_000295</a> , <a href="#">NP_000286</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

**SERPINA1 antibody - C-terminal region - Additional Information****Gene ID** 5265**Alias Symbol** **PI, A1A, AAT, PI1, A1AT, PRO2275, alpha1AT****Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-SERPINA1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SERPINA1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SERPINA1 antibody - C-terminal region - 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

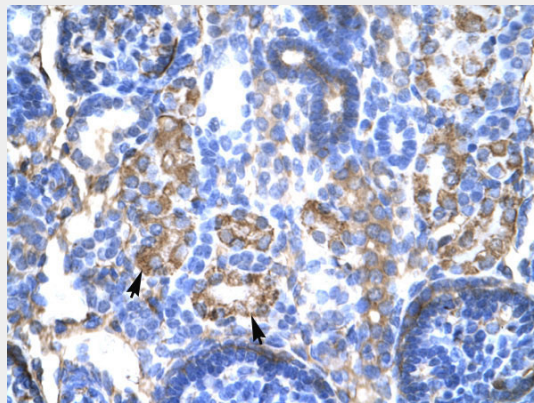
Ubiquitous. Expressed in leukocytes and plasma.

#### SERPINA1 antibody - C-terminal region - Protocols

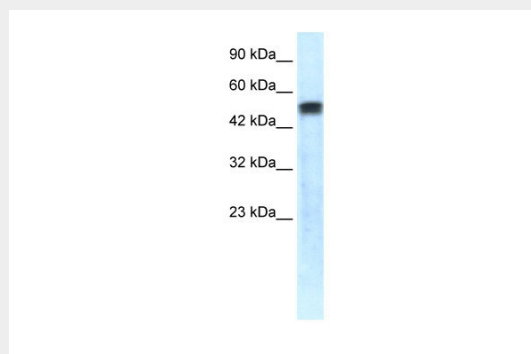
Provided below are standard protocols that you may find useful for product applications.

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

#### SERPINA1 antibody - C-terminal region - Images



WB Suggested Anti-SERPINA1 Antibody Titration: 4.0-8.0  
Positive Control: Human kidney lysate



WB Suggested Anti-SERPINA1 Antibody Titration: 1.25µg/ml  
ELISA Titer: 1:12500

Positive Control: HepG2 cell lysate

SERPINA1 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

**SERPINA1 antibody - C-terminal region - Background**

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**SERPINA1 antibody - C-terminal region - 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).