

**Serpin A1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51502****Specification**

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**Serpin A1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P01009</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55 KDa

**Serpin A1 Antibody - 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**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Serpin A1. The exact sequence is proprietary.

**Dilution**

WB~~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Serpin A1 Antibody - 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.

**Serpin A1 Antibody - 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](#)

**Serpin A1 Antibody - Images****Serpin A1 Antibody - Background**

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**Serpin A1 Antibody - References**

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Long G.L.,et al.Biochemistry 23:4828-4837(1984).  
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Nukiwa T.,et al.J. Biol. Chem. 261:15989-15994(1986).