

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

Specification

Serpin A1 Antibody - Product Information

Application	WB, E
Primary Accession	P01009
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

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

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).