

**SERPINE1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20852c**

**Specification**

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**SERPINE1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P05121</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45060

**SERPINE1 Antibody (C-term) - Additional Information**

**Gene ID** 5054

**Other Names**

Plasminogen activator inhibitor 1, PAI, PAI-1, Endothelial plasminogen activator inhibitor, Serpin E1, SERPINE1, PAI1, PLANH1

**Target/Specificity**

This SERPINE1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 323-357 amino acids from the C-terminal region of human SERPINE1.

**Dilution**

WB~~1:1000

**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**

SERPINE1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SERPINE1 Antibody (C-term) - Protein Information**

**Name** SERPINE1

**Synonyms** PAI1, PLANH1

**Function** Serine protease inhibitor. Inhibits TMPRSS7 (PubMed:[15853774](#)). Is a primary inhibitor of

tissue-type plasminogen activator (PLAT) and urokinase-type plasminogen activator (PLAU). As PLAT inhibitor, it is required for fibrinolysis down-regulation and is responsible for the controlled degradation of blood clots (PubMed:[17912461](#), PubMed:[8481516](#), PubMed:[9207454](#)). As PLAU inhibitor, it is involved in the regulation of cell adhesion and spreading (PubMed:[9175705](#)). Acts as a regulator of cell migration, independently of its role as protease inhibitor (PubMed:[15001579](#), PubMed:[9168821](#)). It is required for stimulation of keratinocyte migration during cutaneous injury repair (PubMed:[18386027](#)). It is involved in cellular and replicative senescence (PubMed:[16862142](#)). Plays a role in alveolar type 2 cells senescence in the lung (By similarity). Is involved in the regulation of cementogenic differentiation of periodontal ligament stem cells, and regulates odontoblast differentiation and dentin formation during odontogenesis (PubMed:[25808697](#), PubMed:[27046084](#)).

#### Cellular Location

Secreted.

#### Tissue Location

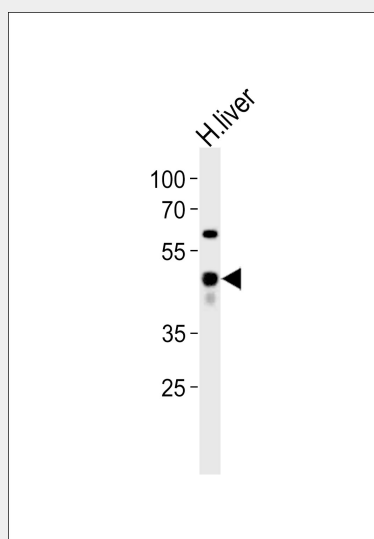
Expressed in endothelial cells (PubMed:[2430793](#), PubMed:[3097076](#)). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

### SERPINE1 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](#)

### SERPINE1 Antibody (C-term) - Images



Western blot analysis of lysate from human liver tissue, using SERPINE1 Antibody (C-term)(Cat. #AP20852c). AP20852c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

**SERPINE1 Antibody (C-term) - Background**

Serine protease inhibitor. This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, protein C and matriptase-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis.

**SERPINE1 Antibody (C-term) - References**

Pannekoek H., et al. EMBO J. 5:2539-2544(1986).  
Loskutoff D.J., et al. Biochemistry 26:3763-3768(1987).  
Ginsburg D., et al. J. Clin. Invest. 78:1673-1680(1986).  
Follo M., et al. Gene 84:447-453(1989).  
Strandberg L., et al. Eur. J. Biochem. 176:609-616(1988).