

**Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1)  
Recombinant Antibody  
Catalog # APR11030****Specification**

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**Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P05121</a>
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

**Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Additional Information****Target/Specificity**  
SERPINE1**Endotoxin**

< 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Protein Information**

**Name** SERPINE1

**Synonyms** PAI1, PLANH1

**Function**

Serine protease inhibitor. Inhibits TMPRSS7 (PubMed:<a href="http://www.uniprot.org/citations/15853774" target="\_blank">15853774</a>). 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:<a href="http://www.uniprot.org/citations/17912461" target="\_blank">17912461</a>, PubMed:<a href="http://www.uniprot.org/citations/8481516" target="\_blank">8481516</a>, PubMed:<a href="http://www.uniprot.org/citations/9207454" target="\_blank">9207454</a>). As PLAU inhibitor, it is involved in the regulation of cell adhesion and spreading (PubMed:<a href="http://www.uniprot.org/citations/9175705" target="\_blank">9175705</a>). Acts as a

regulator of cell migration, independently of its role as protease inhibitor (PubMed:<a href="http://www.uniprot.org/citations/15001579" target="\_blank">15001579</a>, PubMed:<a href="http://www.uniprot.org/citations/9168821" target="\_blank">9168821</a>). It is required for stimulation of keratinocyte migration during cutaneous injury repair (PubMed:<a href="http://www.uniprot.org/citations/18386027" target="\_blank">18386027</a>). It is involved in cellular and replicative senescence (PubMed:<a href="http://www.uniprot.org/citations/16862142" target="\_blank">16862142</a>). 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:<a href="http://www.uniprot.org/citations/25808697" target="\_blank">25808697</a>, PubMed:<a href="http://www.uniprot.org/citations/27046084" target="\_blank">27046084</a>).

#### Cellular Location

Secreted.

#### Tissue Location

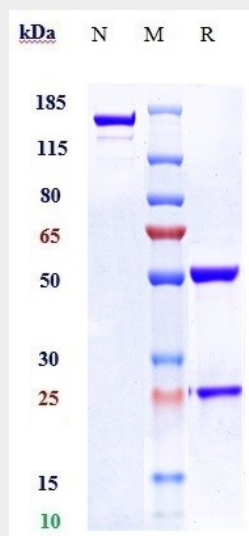
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

### Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Protocols

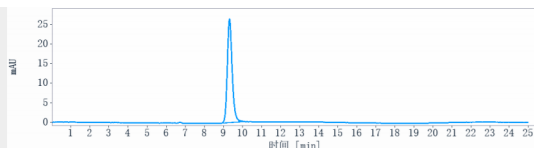
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Images



Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) is more than 95% ,determined by SEC-HPLC.