

**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.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Protein Information****Name** SERPINE1**Synonyms** PAI1, PLANH1**Function**  
Serine protease inhibitor. Inhibits TMPRSS7 (PubMed: [15853774](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17912461)), PubMed: [17912461](http://www.uniprot.org/citations/17912461)

[8481516](http://www.uniprot.org/citations/8481516), PubMed: [9207454](http://www.uniprot.org/citations/9207454)). As PLAU inhibitor, it is involved in the regulation of cell adhesion and spreading (PubMed: [9175705](http://www.uniprot.org/citations/9175705)). Acts as a regulator of cell migration, independently of its role as protease inhibitor (PubMed: [15001579](http://www.uniprot.org/citations/15001579), PubMed: [9168821](http://www.uniprot.org/citations/9168821)). It is required for stimulation of keratinocyte migration during cutaneous injury repair (PubMed: [18386027](http://www.uniprot.org/citations/18386027)). It is involved in cellular and replicative senescence (PubMed: [16862142](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/25808697), PubMed: [27046084](http://www.uniprot.org/citations/27046084)).

#### Cellular Location

Secreted.

#### Tissue Location

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

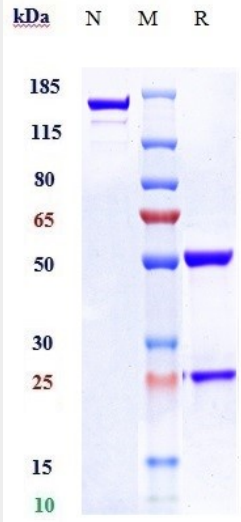
#### Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Protocols

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

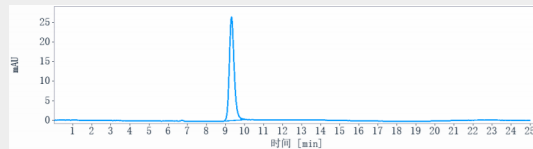
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### 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.