

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

Application	FC, E, FTA
Primary Accession	P05121
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:[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:[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, 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

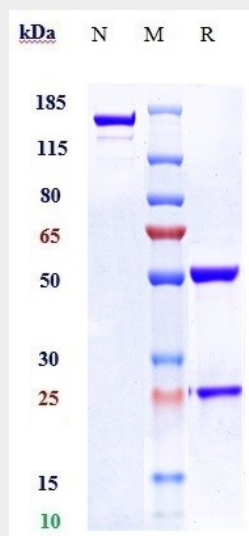
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

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

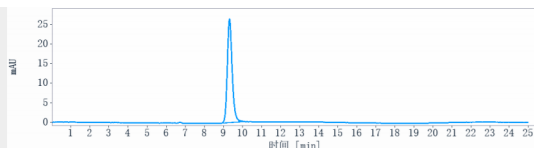
Provided below are standard protocols that you may find useful for product applications.

- [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.