

# 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 Primary Accession Reactivity Clonality Isotype Calculated MW FC, Kinetics, Animal Model <u>P05121</u> Human Monoclonal IgG1 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>, PubMed:<a
href="http://www.uniprot.org/citations/21925150" target="\_blank">21925150</a>). As PLAU
inhibitor, it is involved in the regulation of cell adhesion and spreading (PubMed:<a</pre>



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>). Acts as a href="http://www.uniprot.org/citations/15001579" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/168821" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/15001579" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/9168821" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/9168821" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/9168821" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/168621" target="\_blank">9168821</a>). Acts as a href="http://www.uniprot.org/citations/18386027" target="\_blank">18386027</a>). Acts as a href="http://www.uniprot.org/citations/18386027" target="\_blank">18386027</a>). Acts as a href="http://www.uniprot.org/citations/16862142" target="\_blank">18386027</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** 

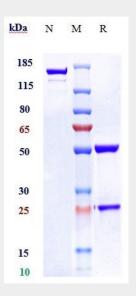
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

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

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

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

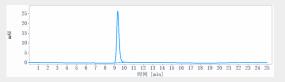
Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Images



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.