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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, Kinetics, Animal Model**
Primary Accession	P05121
Reactivity	**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). 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, PubMed:21925150). 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). 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.

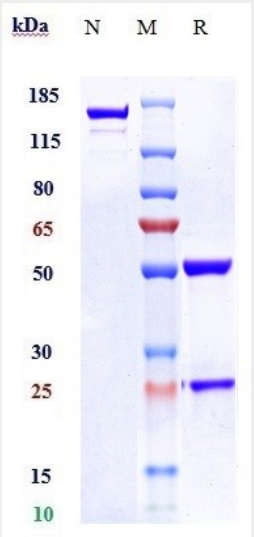
Tissue Location
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

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 Cytomety
- 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)

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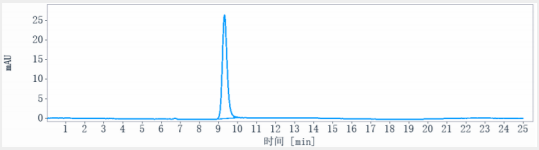
condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



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