

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: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</pre>



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

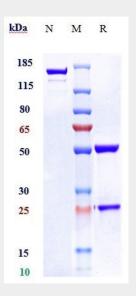
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

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

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

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

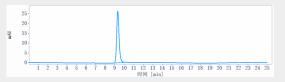
Anti-SERPINE1 Reference Antibody (Sanofi patent anti-PAI-1) - Images



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.