

**PAI1 Rabbit mAb**  
Catalog # AP75863**Specification**

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**PAI1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P05121</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>45060</b>

**PAI1 Rabbit mAb - Additional Information****Gene ID** 5054**Other Names**  
SERPINE1**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**PAI1 Rabbit mAb - 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](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:[18386027](http://www.uniprot.org/citations/18386027)).

[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.

#### PAI1 Rabbit mAb - 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](#)

#### PAI1 Rabbit mAb - Images

