

**Anti-PAI1 Rabbit Monoclonal Antibody**  
Catalog # ABO13564

**Specification**

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**Anti-PAI1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IF, ICC, IP, FC
Primary Accession	<a href="#">P05121</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-PAI1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.

**Anti-PAI1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 5054

**Other Names**

Plasminogen activator inhibitor 1, PAI, PAI-1, Endothelial plasminogen activator inhibitor, Serpin E1, SERPINE1, PAI1, PLANH1

**Calculated MW**

45060 MW KDa

**Application Details**

WB 1:500-1:1000<br>ICC/IF 1:50-1:200<br>IP 1:30<br>FC 1:50

**Subcellular Localization**

Secreted.

**Tissue Specificity**

Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human PAI1

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated**

## freeze-thaw cycles.

### Anti-PAI1 Rabbit Monoclonal Antibody - 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>). 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</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>, PubMed:<a href="http://www.uniprot.org/citations/9168821" target="\_blank">9168821</a>). It is required for stimulation of keratinocyte migration during cutaneous injury repair (PubMed:<a href="http://www.uniprot.org/citations/18386027" target="\_blank">18386027</a>). It is involved in cellular and replicative senescence (PubMed:<a href="http://www.uniprot.org/citations/16862142" target="\_blank">16862142</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

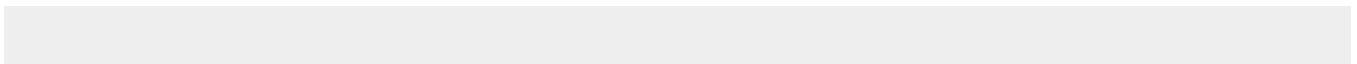
Expressed in endothelial cells (PubMed:2430793, PubMed:3097076). Found in plasma, platelets, and hepatoma and fibrosarcoma cells.

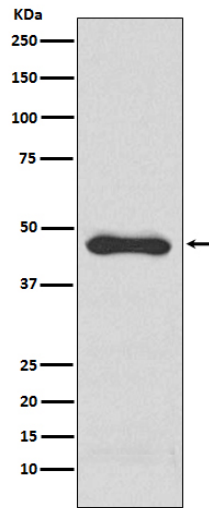
### Anti-PAI1 Rabbit Monoclonal Antibody - Protocols

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-PAI1 Rabbit Monoclonal Antibody - Images





Western blot analysis of PAI1 expression in HepG2 cell lysate.