

PAI1 Rabbit mAb

Catalog # AP75864

Product Information

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| Application | WB, IP, ICC |
| Primary Accession | P05121 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 45060 |

Additional Information

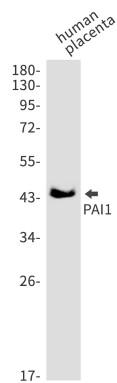
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| Gene ID | 5054 |
| Other Names | SERPINE1 |
| Dilution | WB~~1/500-1/1000 IP~~N/A ICC~~N/A |
| Format | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

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| 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: 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). |

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

Images



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