

PAI1 Rabbit mAb

Catalog # AP75864

Product Information

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

Additional Information

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

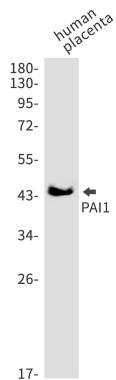
Name	SERPINE1
Synonyms	PAI1, PLANH1
Function	Serine protease inhibitor. Inhibits TMPRSS7 (PubMed: 15853774). Is a primary inhibitor of tissue-type plasminogen activator (PLAT) and urokinase-type plasminogen activator (PLAU). As PLAT inhibitor, it is required for fibrinolysis down-regulation and is responsible 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).

Cellular Location

Secreted.

Tissue Location

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

Images

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.