

## PAI-1 Rabbit pAb

CatalogNo: YT3569

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 47kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:20000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PAI-1. AA range: 266-315

**Specificity** PAI-1 Polyclonal Antibody detects endogenous levels of PAI-1 protein.

### Target Information

**Gene name** SERPINE1

**Protein Name** Plasminogen activator inhibitor 1

Organism	Gene ID	UniProt ID
Human	<a href="#">5054</a> ;	<a href="#">P05121</a> ;
Mouse		<a href="#">P22777</a> ;
Rat	<a href="#">24617</a> ;	<a href="#">P20961</a> ;

**Cellular Localization** Secreted .

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

**Function** Disease:Defects in SERPINE1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency) [MIM:173360]. This deficiency is characterized by abnormal bleeding due to SERPINE1 defect in the plasma.,Disease:High concentrations of SERPINE1 have been associated with thrombophilia [MIM:188050]; an autosomal dominant disorder in which affected individuals are prone to develop serious spontaneous thrombosis.,Function:This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major control point in the regulation of fibrinolysis.,online information:Plasminogen activator inhibitor-1 entry,PTM:Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-|-Met-370 bond.,similarity:Belongs to the serpin family.,subunit:Interacts with VTN. Binds LRP1B; binding is followed by internalization and degradation.,tissue specificity:Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.,

## | Validation Data

## | Contact information

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**PAI-1 Rabbit pAb**