

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

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:20000

IF 1:50-200

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.

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	5054 ;	P05121 ;
	Mouse		P22777 ;
	Rat	24617 ;	P20961 ;
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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