

Anti-PAI1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

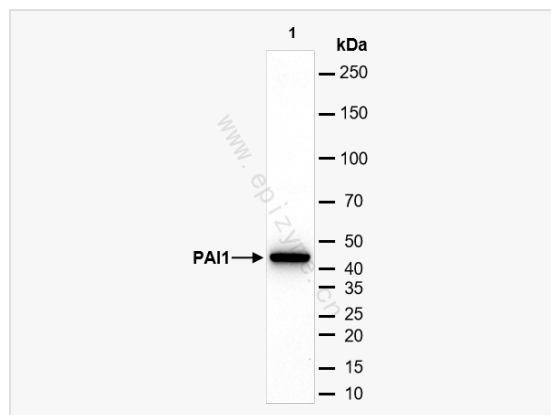
Catalog # R013294

Product Information

Application	IHC-P/IF (Tissue-P), WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	73L22K73
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PAI1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PAI1 Rabbit mAb [73L22K73] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Clade E, Endothelial plasminogen activator inhibitor, Nexin, Nexin plasminogen activator inhibitor type 1, PAI 1, PAI, PAI-1, PAI1_HUMAN, PLANH1, Plasminogen activator inhibitor 1, Plasminogen activator inhibitor type 1, Serine (or cysteine) proteinase inhibitor, Serine (or cysteine) proteinase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1, Serine proteinase inhibitor clade E member 1, serpin, Serpin E1, Serpin peptidase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1, Serpin peptidase inhibitor clade E, Serpine 1, SERPINE1.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 45 kDa
Uniprot ID	P05121
Gene ID	5054
Background	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]
Cellular Location	Secreted.
Tissue Location	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.



Western Blot - Anti-PAI1 Rabbit mAb [73L22K73]

All lanes: R013294 at 1:3,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

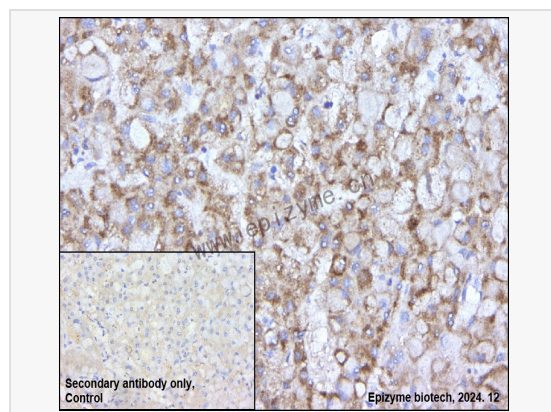
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 45 kDa

Observed band size: 45 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PAI1 Rabbit mAb [73L22K73]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013294 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.