

Anti-PAI1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

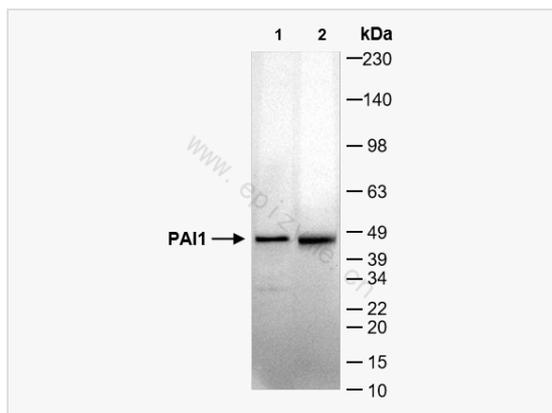
Catalog # R014475

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	43H86A35
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from 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 [43H86A35] 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, PLANHI, 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 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.
Cellular Location	Secreted.
Tissue Location	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.



Western Blot - Anti-PAI1 Rabbit mAb [43H86A35]

All lanes: R014475 at 1:1,000 dilution

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

Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates

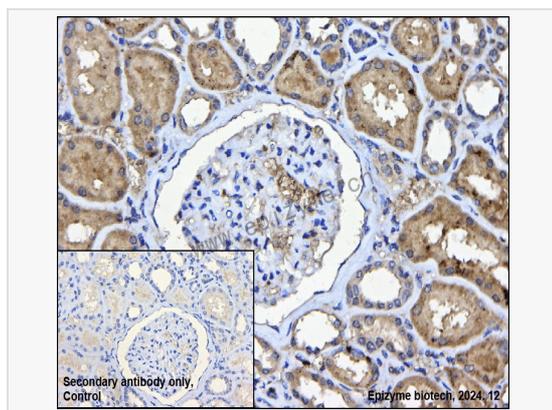
Lysates/proteins at 10 µg per lane.

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 [43H86A35]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

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

Primary antibody: R014475 at 1:200 dilution

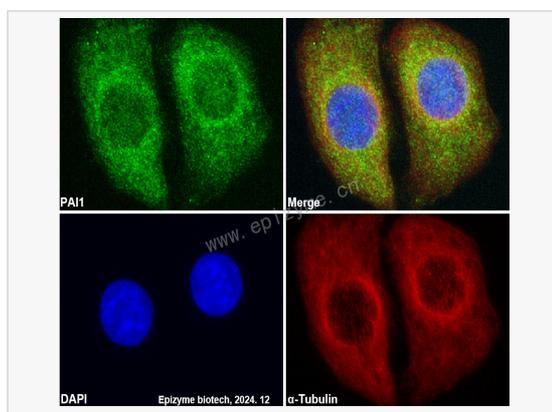
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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.



Immunofluorescence - Anti-PAI1 Rabbit mAb [43H86A35]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014475 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).