

Datasheet for ABIN5690557 **anti-PAI1 antibody**

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Overview

Quantity:	0.1 mg
Target:	PAI1 (SERPINE1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hPAI-1 (human Plasminogen Activator Inhibitor-1). Human PAI-1 specific antibody was purified by affinity chromatography employing immobilized hPAI-1 matrix.
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Target Details

Target:	PAI1 (SERPINE1)
Alternative Name:	PAI-1 (SERPINE1 Products)
Background:	PAI1 (plasminogen activator inhibitor 1) is originally cloned from human endothelial cell (Pannekoek 1986, Ginsburg 1986) and rat hepatoma cell 3 cDNA libraries. As a member of the serpin family of serine protease inhibitors, PAI1 inhibits both tissue type plasminogen activator (tPA) and urokinase type plasminogen activator (uPA). High PAI1 levels are associated with an increased risk of thromboembolic disease while PAI1 deficiency may represent an inherited autosomal recessive bleeding disorder.

Target Details

Gene ID:	5054
UniProt:	P05121
Pathways:	p53 Signaling , Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis , Autophagy , Smooth Muscle Cell Migration

Application Details

Application Notes:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hPAI-1 (4.5 µg/mL), a concentration of at least 15.0 µg/mL of this antibody is required. ELISA: Indirect: To detect hPAI-1 by indirect ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hPAI-1. Sandwich To detect hPAI-1 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5 - 2.0 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our biotinylated Anti-Human PAI-1 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hPAI-1. Western Blot: To detect hPAI-1 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPAI-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Storage:	-20 °C

Handling

Storage Comment: PAI-1 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.