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Product datasheet for AP02162PU-N

PAI1 (SERPINE1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, R
Recommended Dilution:	ELISA. RIA. Immunohistochemistry on Frozen Sections: 1/50-1/100. Immunohistochemistry on Paraffin Sections: 1/50 (Pretreatment with 0.05% Pronase E for 20 minutes recommended).
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Purified human PAI-1
Specificity:	This antibody detects PAI 1. There were no cross reactivities obtained with human tPA ; uPA; and PAI-2.
Formulation:	50mM TRIS, pH 7.4 containing 0.04% Thimerosal as preservative. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	serpin family E member 1
Database Link:	Entrez Gene 5054 Human P05121

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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.

Synonyms: Serpin E1, PLANH1, Plasminogen Activator Inhibitor 1, PAI-1, PAI

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades, p53 signaling pathway