

Rabbit anti-Mouse, Rat PAI1 Polyclonal Antibody | anti-PAI1 antibody

Anti-PAI1 Picoband antibody

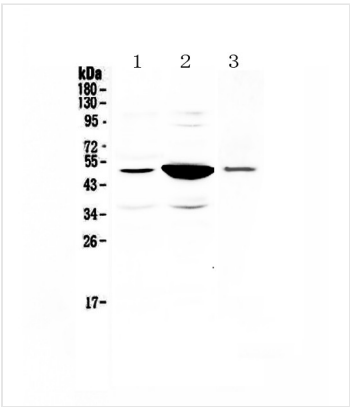
CATALOG # AAA124586	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PAI1; Polyclonal Antibody; Anti-PAI1 Picoband antibody; Plasminogen activator inhibitor 1; PAI; PAI-1; Endothelial plasminogen activator inhibitor; Serpin E1; Serpine1; Pai1; Planh1; anti-PAI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Applicable Applications for anti-PAI1 antibody	ELISA (Direct ELISA), WB (Western Blot)
Immunogen	E. coli-derived rat PAI1 recombinant protein (Position: S24-D240).
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freeze-thaw cycles.



WB (Western Blot)

Figure 1. Western blot analysis of PAI1 using anti-PAI1 antibody (AAA124586). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat small intestine tissue lysates, Lane 2: rat kidney tissue lysates, Lane 3: mouse kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PAI1 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PAI1 at approximately 45-50KD. The expected band size for PAI1 is at 45KD.

ADDITIONAL INFORMATION

Related Product Information for anti-PAI1 antibody	Plasminogen activator inhibitor-1 (PAI-1) also known as endothelial plasminogen activator inhibitor or serpin E1 is a protein that in humans is encoded by the SERPINE1 gene. 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.
Product Categories/Family for anti-PAI1 antibody	Cardiovascular; Angiogenesis; Angiogenic Factors; Kits/Lysates/Other; ELISA Kits; Angiogenic Factors ELISA Kits; Cancer Proteins ELISA Kits; Cardiovascular ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981332
NCBI GeneID	24617
NCBI Accession #	NP_036752.1
NCBI GenBank Nucleotide #	NM_012620.1
UniProt Accession #	P20961
NCBI Official Full Name	plasminogen activator inhibitor 1
NCBI Official Synonym Full Names	serpin family E member 1
NCBI Official Symbol	Serpine1
NCBI Official Synonym Symbols	Pai1; PAI1A; Planh; Pai1aa; RATPAI1A
NCBI Protein Information	plasminogen activator inhibitor 1
UniProt Protein Name	Plasminogen activator inhibitor 1
UniProt Gene Name	Serpine1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pai1-antibody-direct-elisa-western-blot-elisa/124586>