

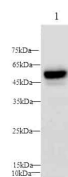
## Serpin E1/PAI-1 Polyclonal Antibody(Capture/Detector)

catalog number: AN000040P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Rat
Immunogen	Recombinant Rat Serpin E1/PAI-1 protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.
Applications	Recommended Dilution
WB	1:500-1:1000
ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

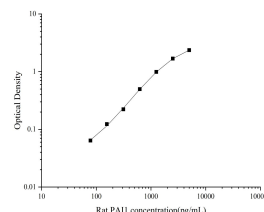
## Data



Western Blot with Serpin E1/PAI-1 Polyclonal Antibody at dilution of 1:500. Lane 1: Rat placenta

**Observed-MW: 47 kDa**

**Calculated-MW: 45 kDa**



Sandwich ELISA-Recombinant Rat Serpin E1/PAI-1 protein standard curve. Background subtracted standard curve using Serpin E1/PAI-1 antibody(AN000040P)(Capture), Serpin E1/PAI-1 antibody(AN000040P)(Detector) in sandwich ELISA. The reference range value for Recombinant Rat Serpin E1/PAI-1 protein is 78.13-5000 pg/mL.

Preparation & Storage	
Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

Serine protease inhibitor. Inhibits TMPRSS7. Is a primary inhibitor of tissue-type plasminogen activator (tPA) and urokinase-type plasminogen activator (uPA). As tPA inhibitor, it is required for fibrinolysis down-regulation and is responsible for the controlled degradation of blood clots. As uPA inhibitor, it is involved in the regulation of cell adhesion and spreading. Acts as a regulator of cell migration, independently of its role as protease inhibitor. It is required for stimulation of keratinocyte migration during cutaneous injury repair. It is involved in cellular and replicative senescence. Plays a role in alveolar type 2 cells senescence in the lung. Is involved in the regulation of cementogenic differentiation of periodontal ligament stem cells, and regulates odontoblast differentiation and dentin formation during odontogenesis.

## For Research Use Only