

## Anti-PAI-1 Polyclonal Antibody 2

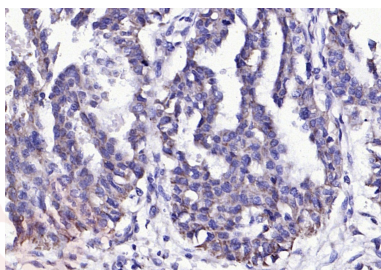
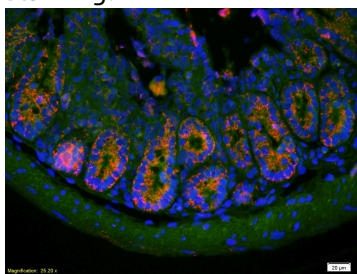
### Product Details

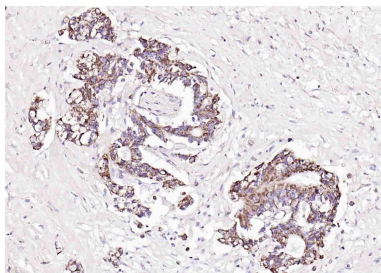
Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Sheep, Guinea Pig)
Molecular Weight:	Theoretical: 45 kDa.
Purification:	Protein A purified

### Applications

#### Verified Activity:

1. Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PAI1/PLANH1/Serpine-1 Polyclonal Antibody, Unconjugated (TMAB-01328) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy5 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml, blue) was used to stain the cell nucleus.
2. Paraformaldehyde-fixed, paraffin embedded (Human ovarian cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (PAI1) Polyclonal Antibody, Unconjugated (TMAB-01328) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (PAI1) Polyclonal Antibody, Unconjugated (TMAB-01328) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: IF,IHC-Fr,IHC-P

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PAI1/PLANH1

Antigen Species: Human

Gene ID: 5054

Uniprot ID: P05121

Synonyms: PAI1;PLANH1;PAI;serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1;PAI-1;SERPINE1

### Research 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.

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