

bs-6562R**[Primary Antibody]****Bioss**
ANTIBODIES

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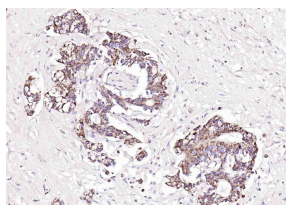
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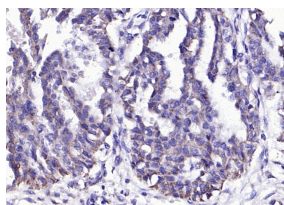
400-901-9800

PAI1 Rabbit pAb**— DATASHEET —**

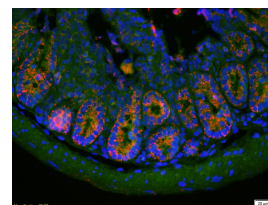
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 5054	SWISS: P05121	
Target: PAI1		Reactivity: Human, Mouse (predicted: Rat, Pig, Sheep, Cow, Dog, GuineaPig, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human PAI1/PLANH1: 251-350/402.		Predicted MW.: 45 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAI1) Polyclonal Antibody, Unconjugated (bs-6562R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human ovarian cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAI1) Polyclonal Antibody, Unconjugated (bs-6562R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-PAI1/PLANH1/Serpine-1 Polyclonal Antibody, Unconjugated (bs-6562R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy5 conjugated (bs-0295G-Cy5) used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml, blue, C-0033) was used to stain the cell nuclei

— SELECTED CITATIONS —

- **[IF=17.694]** Cheng, Juan. et al. Functionally integrating nanoparticles alleviate deep vein thrombosis in pregnancy and rescue intrauterine growth restriction. NAT COMMUN. 2022 Nov;13(1):1-21 IHC ;Rat. 36418325
- **[IF=2.616]** Bingxin Yang. et al. Immunoreactivity of Plasminogen Activator Inhibitor 1 and Its Correlation with Dysmenorrhea and Lesional Fibrosis in Adenomyosis. 2021 Mar 08 IHC ;Human. 33683668
- **[IF=3.263]** Makuszevska, Maria. et al. Enhanced Expression of Plasminogen Activators and Inhibitor in the Healing of Tympanic Membrane Perforation in Rats. JARO-J ASSOC RES OTO. 2023 Feb;;1-12 IF, WB ;Rat. 36810718

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.