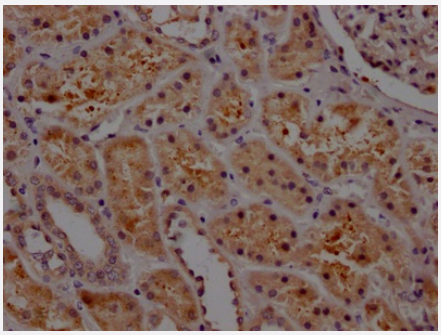
RecomAb™ Sm Size

SERPINE1 recombinant monoclonal antibody, clone 10C3

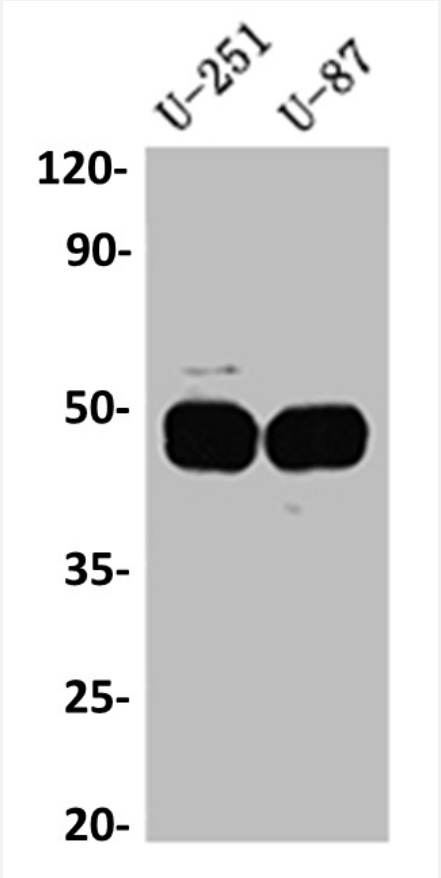
Catalog # RAB08592 Size 50 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using SERPINE1 recombinant monoclonal antibody on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Western Blot (Cell lysate)

Western blot analysis of U-251 whole cell lysate, U-87 whole cell lysate with SERPINE1 recombinant monoclonal antibody.

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SERPINE1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SERPINE1.
Theoretical MW (kDa)	Calculated MW: 46, 4
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human kidney tissue using SERPINE1 recombinant monoclonal antibody on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of U-251 whole cell lysate, U-87 whole cell lysate with SERPINE1 recombinant monoclonal antibody.

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Gene Info — SERPINE1

Entrez GeneID	5054
Protein Accession#	P05121
Gene Name	SERPINE1
Gene Alias	PAI, PAI-1, PAI1, PLANH1
Gene Description	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
Omim ID	173360
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This membe r 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 thr ombophilia. Alternatively spliced transcript variants encoding different isoforms have been found f or this gene. [provided by RefSeq
Other Designations	plasminogen activator inhibitor, type I|plasminogen activator inhibitor-1|serine (or cysteine) protein ase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

Pathway

- Complement and coagulation cascades
- p53 signaling pathway

Disease

- Abortion
- Activated Protein C Resistance
- Acute Disease
- Acute Lung Injury
- Acute-Phase Reaction
- Adenocarcinoma

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- Adenomatous Polyposis Coli
- Albuminuria
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Alveolar Bone Loss
- Alzheimer disease
- Amyloidosis
- Amyotrophic lateral sclerosis
- Anemia
- Aneurysm
- Angina
- Anoxia
- Antiphospholipid Syndrome
- Aortic Aneurysm
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthritis
- Asthma
- Atherosclerosis
- Atrial Fibrillation
- Autistic Disorder
- Autoimmune Diseases
- Bacteremia
- Behcet Syndrome
- beta-Thalassemia
- Birth Weight

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- Blood Coagulation Disorders
- Body Weight
- Brain Infarction
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Burns
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Celiac Disease
- Cerebral Arterial Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Chronic Disease
- Colitis
- Colon cancer
- Colorectal Neoplasms
- Community-Acquired Infections
- Connective Tissue Diseases

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- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Critical Illness
- Crohn Disease
- Death
- Delayed Graft Function
- Dementia
- Depressive Disorder
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Disseminated Intravascular Coagulation
- Duodenal Ulcer
- Dyslipidemias
- Edema
- Emphysema
- Endometriosis
- Familial Mediterranean fever

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- Fatigue
- Fatty Liver
- Femur Head Necrosis
- Fetal Death
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Fibromatosis
- Fibromyalgia
- Fractures
- Genetic Predisposition to Disease
- Glaucoma
- Glioblastoma
- Glioma
- Glomerulonephritis
- Graft Occlusion
- Gram-Negative Bacterial Infections
- Hearing Loss
- Heart Defects
- Heart Diseases
- HELLP Syndrome
- Hemolytic-Uremic Syndrome
- Hemophilia A
- Hemorrhagic Disorders
- Hepatitis C
- Hypercholesterolemia

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- Hyperhomocysteinemia
- Hyperinsulinism
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hypersensitivity
- Hypertension
- Hypertrophy
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intracranial Aneurysm
- Intracranial Embolism
- Intracranial Embolism and Thrombosis
- Intracranial Thrombosis
- Iron Overload
- Ischemia
- Kidney Diseases
- Kidney Failure
- Leukemia
- Limb Deformities
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Diseases

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- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Meningeal Neoplasms
- Meningioma
- Meningococcal Infections
- Metabolic Syndrome X
- Migraine Disorders
- Mouth Neoplasms
- Multiple Organ Failure
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Myocardial Ischemia
- Necrosis
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Obstetric Labor
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms

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- Pain
- Pancreatitis
- Peptic Ulcer Hemorrhage
- Periodontitis
- Peripheral Vascular Diseases
- Peritonitis

- Placenta Diseases
- Pneumococcal Infections
- Pneumoconiosis
- Pneumonia
- Polycystic Ovary Syndrome
- Postoperative Complications
- Postoperative Hemorrhage
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Protein C Deficiency
- Proteinuria
- Puberty
- Puerperal Disorders
- Pulmonary Disease
- Pulmonary Embolism
- Recurrence

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- Renal Artery Obstruction
- Renal Insufficiency
- Respiratory Distress Syndrome
- Retinal Artery Occlusion
- Retinal Vein Occlusion
- Rhinitis
- Sclerosis
- Sepsis
- Shock
- Siderosis
- Sinusitis
- Skin Diseases
- Sleep Apnea
- Sleep Apnea Syndromes
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Stomach Ulcer
- Streptococcal Infections
- Stroke
- Subarachnoid Hemorrhage
- Syndrome
- Systemic Inflammatory Response Syndrome
- Tachycardia
- Thinness
- Thromboembolism
- Thrombophilia

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- Thrombosis
- Thrombotic Microangiopathies
- Tobacco Use Disorder
- Uterine Diseases
- Vascular Diseases
- Venous Insufficiency
- Venous Thrombosis
- Ventricular Fibrillation
- Virilism
- Weight Gain
- Weight Loss
- Werner syndrome
- Wounds and Injuries

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