

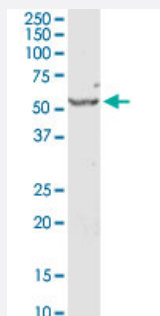
MaxPab®

# SERPINE1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005054-D01P

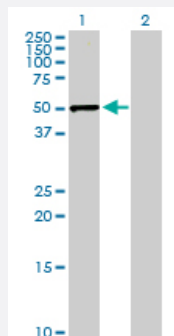
Size 100 ug

## Applications



### Western Blot (Tissue lysate)

SERPINE1 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINE1 expression in mouse liver.



### Western Blot (Transfected lysate)

Western Blot analysis of SERPINE1 expression in transfected 293T cell line ([H00005054-T02](#)) by SERPINE1 MaxPab polyclonal antibody.

Lane 1: SERPINE1 transfected lysate(45.10 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human SERPINE1 protein.

### Immunogen

SERPINE1 (NP\_000593.1, 1 a.a. ~ 402 a.a) full-length human protein.

### Sequence

MQMSPALTCLVLGLALVFGECSAVHHPPSYVAHLASDFGVRVFQQVAQASKDRNVVFSYPGVA  
SVLAMLQLTTGGETQQQIQAAAMGFKIDDKGMAPALRHLYKELMGPWNKDEISTTDAIFVQRDLKLV  
QGFMPHFFRLFRSTVKQVDFSEVERARFIINDWVKTHTKGMISNLLGKGAVDQLTRLVLVNALYFN  
GQWKTPFPDSSTHRRLFHKSDGSTVSPMMAQTNKFNYTEFTTPDGHYYDILELPYHGDLSMFI  
AAPYEKEVPLSALTNILSAQLISHWKGNMTRLRLLVLPKFSLETEVDLRKPLENLGMTDMFRQFQ  
ADFTSLSDQEPLHVAQALQVKIEVNESGTVASSSTAVIVSARMAPEEIIIDRPFLFVVRHNPTGT  
VLFMGQVMEP

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Host                    | Rabbit                                                                   |
| Reactivity              | Human, Mouse                                                             |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

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[Protocol Download](#)

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Western Blot analysis of SERPINE1 expression in transfected 293T cell line ([H00005054-T02](#)) by SERPINE1 MaxPab polyclonal antibody.

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[Protocol Download](#)

## Gene Info — SERPINE1

|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5054</a>                                                                          |
| GeneBank Accession# | <a href="#">NM_000602</a>                                                                     |
| Protein Accession#  | <a href="#">NP_000593.1</a>                                                                   |
| 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             | <a href="#">173360</a>                                                                        |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                     |

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

plasminogen activator inhibitor, type I|plasminogen activator inhibitor-1|serine (or cysteine) proteinase 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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)