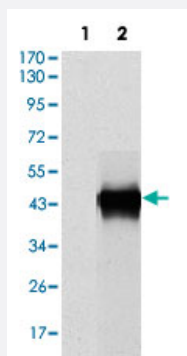


SERPINE1 monoclonal antibody, clone 1D5

Catalog # MAB10390

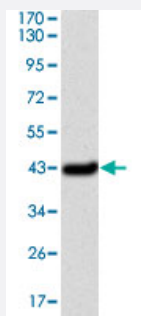
Size 100 ug

Applications



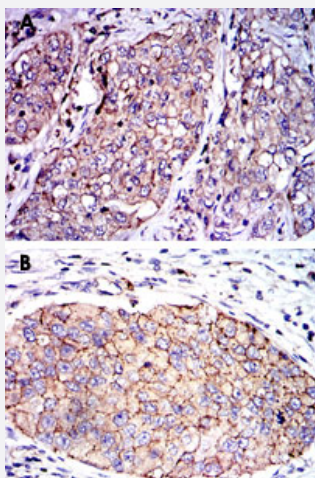
Western Blot (Transfected lysate)

Western blot analysis using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) against HEK293 (1) and SERPINE1 (AA: 194-316)-hlgGFc transfected HEK293 (2) cell lysate.



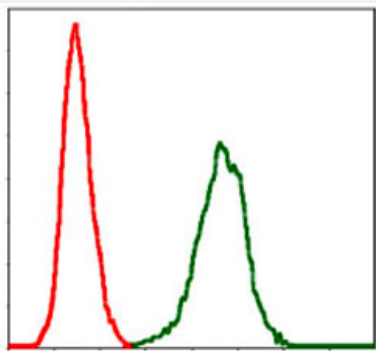
Western Blot (Recombinant protein)

Western blot analysis using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) against human SERPINE1 (aa 194-316) recombinant protein. (Expected MW is 45kDa kDa)



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

Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and human kidney cancer (B) tissue using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) with DAB staining.



Flow Cytometry

Flow cytometric analysis of NIH/3T3 cells using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant SERPINE1.
Immunogen	Recombinant protein corresponding to human SERPINE1.
Host	Mouse
Theoretical MW (kDa)	45
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) against HEK293 (1) and SERPINE1 (AA: 194-316)-hlgGfC transfected HEK293 (2) cell lysate.

- Western Blot (Recombinant protein)

Western blot analysis using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) against human SERPINE1 (aa 194-316) recombinant protein. (Expected MW is 45kDa kDa)

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

Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and human kidney cancer (B) tissue using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of NIH/3T3 cells using SERPINE1 monoclonal antibody, clone 1D5 (Cat # MAB10390) (green) and negative control (red).

Gene Info — SERPINE1

Entrez GeneID	5054
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 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

Publication Reference

- [Effect of serpinE1 overexpression on the primary tumor and lymph node, and lung metastases in head and neck squamous cell carcinoma.](#)

Arroyo-Solera I, Pavón MÁ, León X, López M, Gallardo A, Céspedes MV, Casanova I, Pallarès V, López-Pousa A, Mangues MA, Barnadas A, Quer M, Mangues R.

Head & Neck 2019 Feb; 41(2):429.

Application: IF, IHC-P, Human, Mouse, Human head and neck squamous cell carcinoma, Mouse tongue

- [Combined Inactivation of TP53 and MIR34A Promotes Colorectal Cancer Development and Progression in Mice via Increasing Levels of IL6R and PAI1.](#)

Öner MG, Rokavec M, Kaller M, Bouznad N, Horst D, Kirchner T, Hermeking H.

Gastroenterology 2018 Aug; [Epub].

Application: IHC-P, Human, Colon carcinomas

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](#)
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- [Fibromyalgia](#)
- [Fractures](#)
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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](#)
- [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](#)
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- [Stomach Ulcer](#)
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- [Subarachnoid Hemorrhage](#)
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- [Weight Loss](#)
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