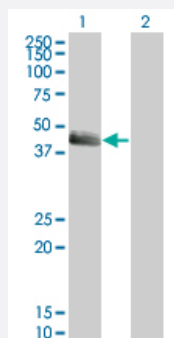


SERPINE1 monoclonal antibody (M01), clone 3F2

Catalog # H00005054-M01

Size 100 ug

Applications

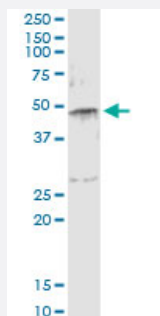


Western Blot (Transfected lysate)

Western Blot analysis of SERPINE1 expression in transfected 293T cell line by SERPINE1 monoclonal antibody (M01), clone 3F2.

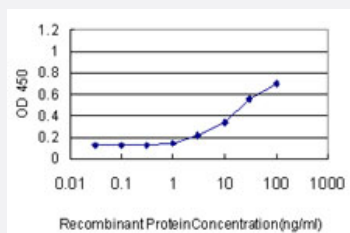
Lane 1: SERPINE1 transfected lysate(45.1 KDa).

Lane 2: Non-transfected lysate.



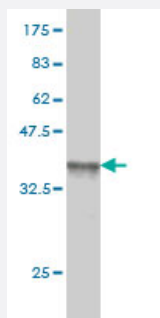
Immunoprecipitation

Immunoprecipitation of SERPINE1 transfected lysate using anti-SERPINE1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINE1 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERPINE1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SERPINE1.
Immunogen	SERPINE1 (NP_000593, 86 a.a. ~ 185 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GFKIDDKGMAPALRHLYKELMGPWNKDEISTTDAIFVQRDLKLVQGFMPPHFFRLFRSTVKQVDFS EVERARFIINDWVKTHTKGMISNLLGKGAVDQLTR
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of SERPINE1 expression in transfected 293T cell line by SERPINE1 monoclonal antibody (M01), clone 3F2.

Lane 1: SERPINE1 transfected lysate(45.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of SERPINE1 transfected lysate using anti-SERPINE1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINE1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERPINE1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SERPINE1

Entrez GeneID [5054](#)

GeneBank Accession# [NM_000602](#)

Protein Accession# [NP_000593](#)

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 II; plasminogen activator inhibitor-1; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

Publication Reference

- [PAI-1 is a potential transcriptional silencer that supports bladder cancer cell activity.](#)

Hideki Furuya, Yuka Sasaki, Runpu Chen, Rafael Peres, Kanani Hokutan, Kaoru Murakami, Nari Kim, Owen T M Chan, Ian Pagano, Lars Dyrskj t, J rgen B Jensen, Per-Uno Malmstrom, Ulrika Segersten, Yijun Sun, Abolfazl Arab, Hani Goodarzi, Steve Goodison, Charles J Rosser.

Scientific Reports 2022 Jul; 12(1):12186.

Application: ChIP-Seq, Human, RT-112, UM-UC-3 cells

- [Extracellular Matrix Remodeling by Bone Marrow Fibroblast-like Cells Correlates with Disease Progression in Multiple Myeloma.](#)

Slany A, Haudek-Prinz V, Meshcheryakova A, Bileck A, Lamm W, Zielinski C, Gerner C, Drach J.

Journal of Proteome Research 2014 Feb; 13(2):844.

Application: WB-Ce, Human, Bone marrow fibroblast-like cells

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](#)
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- [Anoxia](#)
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- [Behcet Syndrome](#)
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- [Breast Neoplasms](#)
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- [Cerebrovascular Disorders](#)
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- [Chronic Disease](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
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- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
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- [Delayed Graft Function](#)
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- [Depressive Disorder](#)
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- [Diabetes Complications](#)
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- [Diabetic Nephropathies](#)
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- [Disease Susceptibility](#)
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- [Liver Diseases](#)
- [Liver Neoplasms](#)
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- [Lung Neoplasms](#)
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- [Mouth Neoplasms](#)
- [Multiple Organ Failure](#)
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- [Musculoskeletal Diseases](#)
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- [Myocardial Ischemia](#)
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- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteonecrosis](#)
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- [Ovarian Neoplasms](#)
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- [Pancreatitis](#)

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- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Peritonitis](#)
- [Placenta Diseases](#)
- [Pneumococcal Infections](#)
- [Pneumoconiosis](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)
- [Postoperative Hemorrhage](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
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- [Prostatic Neoplasms](#)
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- [Renal Insufficiency](#)
- [Respiratory Distress Syndrome](#)

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- [Siderosis](#)
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