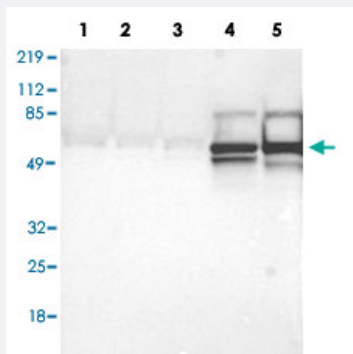


SERPINA1 polyclonal antibody

Catalog # PAB30249 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with SERPINA1 polyclonal antibody (Cat # PAB30249) at 1:250 - 1:500 dilution

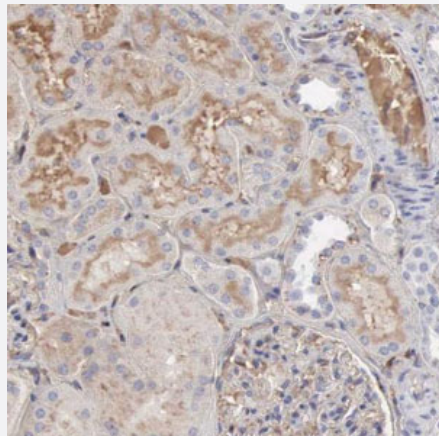
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human cell line A-431

Lane 4: Human liver tissue

Lane 5: Human tonsil tissue



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with SERPINA1 polyclonal antibody (Cat # PAB30249) shows moderate extra-cellular positivity in tubule cells and positivity of plasma in blood vesse at 1:200 - 1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human SERPINA1.
Immunogen	Recombinant protein corresponding to amino acids of human SERPINA1.
Sequence	HDQDHPTFNKITPNLAEFASFSLYRQLAHQSNSTNIFFSPVSIATAFAMLSLGTKADTHDEILEGLNFN LTEIPEAQIHEGFQELLRTLNPDSQLQLTTGNGLFLSEGLKLVDFLEDVKKLYHSEAF TVNFGDT EEAKKQINDYGAPHR
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 (Cell lysate)

Western Blot (Cell lysate) analysis with SERPINA1 polyclonal antibody (Cat # PAB30249) at 1:250 - 1:500 dilution

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human cell line A-431

Lane 4: Human liver tissue

Lane 5: Human tonsil tissue

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with SERPINA1 polyclonal antibody (Cat # PAB30249) shows moderate extra-cellular positivity in tubule cells and positivity of plasma in blood vessels at 1:200 - 1:500 dilution.

Gene Info — SERPINA1

Entrez GeneID	5265
Protein Accession#	P01009
Gene Name	SERPINA1
Gene Alias	A1A, A1AT, AAT, MGC23330, MGC9222, PI, PI1, PRO2275
Gene Description	serpin peptidase inhibitor, clade A (alpha-1 antitrypsin), member 1

Omim ID [107400 606963](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin|serine (or cysteine) proteinase inhibitor, clade A, member 1|serine proteinase inhibitor, clade A, member 1

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Acute-Phase Reaction](#)
- [Adenocarcinoma](#)
- [Airway Obstruction](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Aortic Stenosis](#)
- [Arterial Occlusive Diseases](#)
- [Asbestosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bacterial Infections](#)
- [Brain Ischemia](#)
- [Bronchiectasis](#)

- [Bronchitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cluster Headache](#)
- [Colonic Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Cough](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyspnea](#)
- [Edema](#)
- [Emphysema](#)
- [Fatty Liver](#)
- [Fetal Death](#)
- [Fibromuscular Dysplasia](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Immunologic Deficiency Syndromes](#)
- [Inflammation](#)
- [Iron Overload](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Mycobacterium Infections](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Nasal Polyps](#)
- [Occupational Diseases](#)
- [Pancreatitis](#)
- [Penile Induration](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Pregnancy Complications](#)

- [Pseudomonas Infections](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Recurrence](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Scoliosis](#)
- [Sinusitis](#)
- [Smoke Inhalation Injury](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Venous Thrombosis](#)
- [Vertebral Artery Dissection](#)
- [Williams Syndrome](#)