Serpina1 Polyclonal Antibody

catalog number: D-AB-10209L

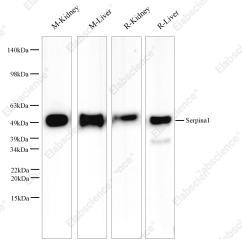
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Rat Serpina1 protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1000

Data



Western blot with Anti Serpina1 Polyclonal antibody at dilution of 1:500. Lane 1:Mouse kidney tissue lysate,Lane 2:Mouse liver tissue lysate,Lane 3:Rat kidney tissue lysate,Lane 4:Rat liver tissue lysate.

Observed-MW:43 kDa,50kDa

Calculated-MW:46 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

SERPINA1 is the gene for a protein called alpha-1-antitrypsin (AAT),which is a serine protease inhibitor whose targets include elastase,plasmin,thrombin,trypsin,chymotrypsin,and plasminogen activator. AAT is a glycoprotein synthesized primarily by hepatocytes,with smaller amountssynthesized by intestinal epithelial cells,neutrophils, pulmonary alveolar cells and macrophages. AAT is the most abundant,endogenous serine protease inhibitor in blood circulation and it has been implicated in regulating vital fluid phase biological events such as blood coagulation, fibrinolysis,complement activation,apoptosis,reproduction,tumor progression and inflammatory response. The primary function of AAT is thought to be the inactivation of neutrophil elastase and other endogenous serine proteases. Defects in SERPINA1 can cause emphysema or liver disease.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com