

## Serpin A1 Polyclonal Antibody

**catalog number: E-AB-40634**

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

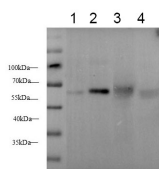
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Rat Serpin A1 protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:100-1:200
<b>IHC</b>	1:2000-1:4000

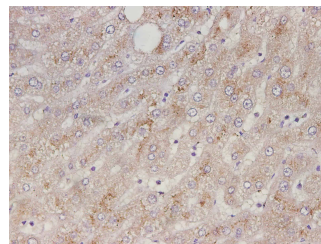
### Data



Western blot with anti-alpha 1 Antitrypsin Polyclonal antibody at dilution of 1:200. lane 1: Rat kidney tissue, lane 2: Mouse liver tissue, lane 3: Human plasma, lane 4: HepG2 whole cell lysate

**Observed-MW:60 kDa**

**Calculated-MW:46 kDa**



Immunohistochemistry of paraffin-embedded Human liver tissue using Serpin A1 Polyclonal Antibody at dilution of 1:3500(×400)

### Preparation & Storage

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

### Background

Serpin A1 is the archetypal member of the Serpin superfamily of the serine protease inhibitors. As one of the most abundant proteinase inhibitors in the circulation, it is synthesized in the liver and secreted into the bloodstream with the major function to protect tissues against neutrophil elastase. A severe Serpin A1 deficiency leads to several clinical complications such as pulmonary emphysema, juvenile hepatitis, cirrhosis, and hepatocellular carcinoma.

### For Research Use Only