

# Anti-PAI-3 / Serpin A5 Antibody

0812-5



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 46 kDa

**Description:** PAI-3 also called Protein C inhibitor (PCI) was originally described in plasma as an inhibitor of the anticoagulant serine protease activated protein C. PCI is present not only in plasma, but also in urine and in many other body fluids and secretions. The highest PCI concentrations have been described in seminal plasma (?200 µg/ml). The inhibition is regulated by glycosaminoglycans, such as heparin and heparan sulphate, and several polyanions. As well as its roles in the regulation of hemostasis and fertilisation, Protein C Inhibitor is involved in cell inflammation, proliferation, apoptosis, tumor cell migration, invasion, and metastasis.

**Immunogen:** Synthetic peptide within Human PAI-3 aa 357-406 / 406.

**Positive control:** Human liver tissue lysates.

**Subcellular location:** Secreted, extracellular space.

**Database links:** SwissProt: P05154 Human

**Recommended Dilutions:**  
**WB** 1:1,000

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

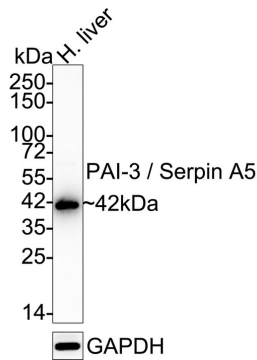
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## Images

**Fig1:** Western blot analysis of PAI-3 / Serpin A5 on human liver tissue lysates with Rabbit anti-PAI-3 / Serpin A5 antibody (0812-5) at 1/1,000 dilution.



Lysates/proteins at 40 µg/Lane.

Predicted band size: 46 kDa

Observed band size: 42 kDa

Exposure time: 18 seconds; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (0812-5) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. "Protein C inhibitor from human plasma: characterization of native and cleaved inhibitor and demonstration of inhibitor complexes with plasma kallikrein."Laurell M., Stenflo J.Thromb. Haemost. 62:885-891(1989)
2. "A two-allele polymorphism in protein C inhibitor with varying frequencies in different ethnic populations."Radtko K.-P., Greengard J.S., Fernandez J.A., Villoutreix B.O., Griffin J.H.Thromb. Haemost. 75:62-69(1996)
3. "Human plasma N-glycoproteome analysis by immunoaffinity subtraction, hydrazide chemistry, and mass spectrometry."Liu T., Qian W.-J., Gritsenko M.A., Camp D.G. II, Monroe M.E., Moore R.J., Smith R.D.J. Proteome Res. 4:2070-2080(2005)

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