

## Product datasheet for **AP01414PU-N**

### Protein C inhibitor (SERPINA5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	PAI-3 antibody detects endogenous levels of PAI-3 protein. (region surrounding Leu291)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 42 kDa
Gene Name:	serpin family A member 5
Database Link:	<a href="#">Entrez Gene 5104 Human P05154</a>



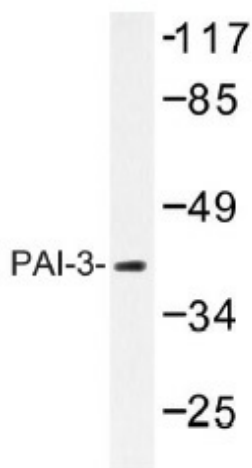
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**Background:**

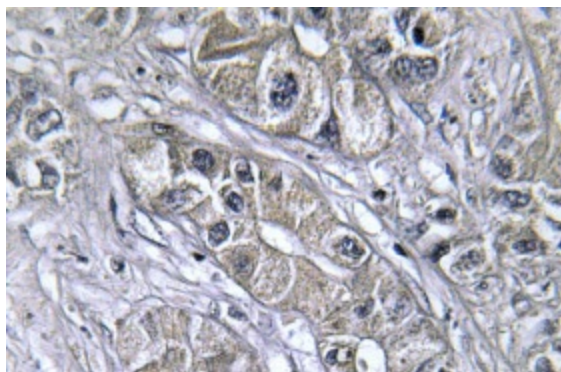
PAI-1, PAI-2 and PAI-3 (plasminogen activator inhibitor-1, -2 and -3) are members of the serpin serine proteinase inhibitor family. PAI-1 and PAI-2 regulate uPA (urokinase-type plasminogen activator) and TPA (tissue plasminogen activator), resulting in the inhibition of proteolytic activity. Members of the serpin family generally complex with their target proteinases, then disassociate slowly into cleaved species that fold into stable inactive forms. PAI-1 can fold into the inactive state without cleavage resulting in the latent form of PAI-1. Activity can be restored to the latent form of PAI-1 through denaturation and renaturation. PAI-2 occurs in secreted and cytosolic forms through facultative polypeptide translocation. PAI-3 inhibits plasminogen activators as well as activated protein C. PAI-3 is secreted in plasma, but is also expressed in liver.

**Synonyms:**

Serpin A5, PAI-3, PAI3, PLANH3, PCI, PROCI

**Product images:**


Western blot (WB) analysis of PAI-3 antibody (Cat.-No.: AP01414PU-N) in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of PAI-3 antibody (Cat.-No.: AP01414PU-N) in paraffin-embedded human liver carcinoma.