

## PAI-1 Polyclonal Antibody

Catalog number: 13801-1-AP

Size: 36 µg/150 µl

Source: Rabbit

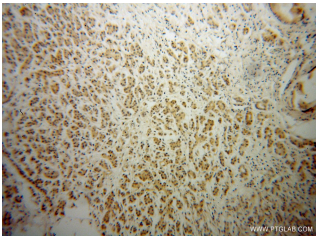
Isotype: IgG

Synonyms:

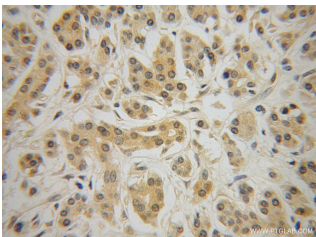
SERPINE1; PAI, PAI 1, PAI1,

PAI-1, PLANH1, Serpin E1,

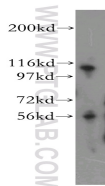
SERPINE1, PAI-1



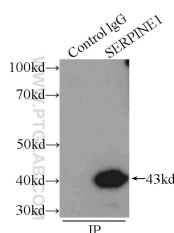
Immunohistochemical of paraffin-embedded human pancreas cancer using 13801-1-AP (SERPINE1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human pancreas cancer using 13801-1-AP (SERPINE1 antibody) at dilution of 1:50 (under 40x lens)



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 13801-1-AP (SERPINE1 antibody) at dilution of 1:500



IP Result of anti-SERPINE1

### Background

SERPINE1, also named as Plasminogen activator inhibitor type 1 (PAI-1), is a member of the serine protease inhibitor (SERPIN) superfamily. PAI-1 is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. In western blotting, we got two bands 55 kDa and 110 kDa, and we are unsure as to the identity of the extra 110 kDa band.

### Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated PAI-1 MW:	402aa, 45 kDa
Observed PAI-1 MW:	50-55 kDa and 110 kDa
Positive WB detected in	SH-SY5Y cells, human vein tissue
Positive IP detected in	SH-SY5Y cells
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4777
GenBank accession number:	BC010860
Gene ID (NCBI):	5054
Full name:	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

(IP:13801-1-AP, 3ug;  
Detection:13801-1-AP 1:300)  
with SH-SY5Y cells lysate  
2000ug.