

## ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes PAI1 / SERPINE1
Tested Reactivity	Hu
Tested Application	ELISA
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAI1 / SERPINE1
Species	Human
Immunogen	E. coli derived recombinant Human PAI1 / SERPINE1. (VHHPPSYVAH LASDFGVRVF QQVAQASKDR NVVFSYPGVA SVLAMLQLTT GGETQQQIQQA AMGFKIDDKG MAPALRHLYK ELMGPWNKDE ISTTDAIFVQ RDLKLVQGFM PHFFRLFRST VKQVDFSEVE RARFIINDWV KTHTKGMISN LLGKGAVDQL TRLVLVNALY FNGQWKTFPF DSSTHRRLFH KSDGSTVSVPMMAQTNKFNY TEFTTPDGHY YDILELPYHG DTLSMFIAAP YEKEVPLSAL TNILSAQLIS HWKGNMTRLP RLLVLPKFSL ETEVDLRKPL ENLGMTDMFR QFQADFTSLS DQEPLHVAQA LQKVKIEVNE SGTVASSTA VIVSARMAPE EIIMDRPFLF VVRHNPTGTV LFMGQVMEP)
Conjugation	Biotin
Alternate Names	Serpin E1; PLANH1; Endothelial plasminogen activator inhibitor; Plasminogen activator inhibitor 1; PAI; PAI1; PAI-1

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66124 as a capture antibody
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 5054 Human](#)

[Swiss-port # P05121 Human](#)

### Gene Symbol

SERPINE1

### Gene Full Name

serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

### Background

This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

### Function

Serine protease inhibitor. This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, protein C and matriptase-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis. [UniProt]

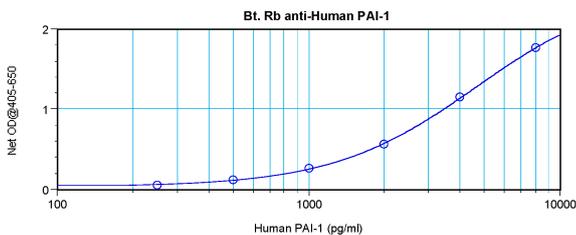
### Calculated Mw

45 kDa

### PTM

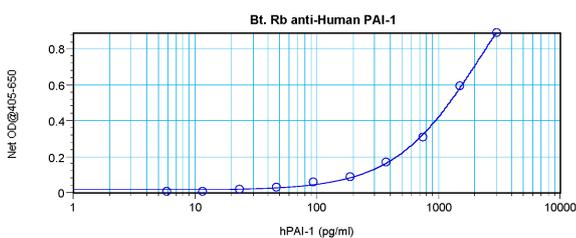
Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-|-Met-370 bond.

## Images



ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin) standard curve image

Direct ELISA: ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin) at 0.25 - 1.0  $\mu\text{g/ml}$  results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin) as a detection antibody at 0.25 - 1.0  $\mu\text{g/ml}$  combined with ARG66124 anti-PAI1 / SERPINE1 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.