

ARG66124 anti-PAI1 / SERPINE1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PAI1 / SERPINE1
Tested Reactivity	Hu
Tested Application	ELISA, Neut
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAI1 / SERPINE1
Species	Human
Immunogen	E. coli derived recombinant Human PAI1 / SERPINE1. (VHHPPSYVAH LASDFGVRVF QQVAQASKDR NVVFSYPYGA SVLAMLQLTT GGETQQQIQA AMGFKIDDKG MAPALRHLYK ELMGPWNKDE ISTTDAIFVQ RDLKLVQGFM PHFFRLFRST VKQVDFSEVE RARFIINDWV KTHTKGMISN LLGKGAVDQL TRLVLVNALY FNGQWKTPFP DSSTHRRLFH KSDGSTVSVP MMAQTNKFNY TEFTTPDGHY YDILELPYHG DTLSMFIAAP YEKEVPLSAL TNILSAQLIS HWKGNMTRLR RLLVLPKFSL ETEVDLRKPL ENLGMTDMFR QFQADFTSL DQEPLHVAQA LQKVKIEVNE SGTVASSTA VIVSARMAPE EIIMDRPFLF VVRHNPTGT V LFMGQVMEP)
Conjugation	Un-conjugated
Alternate Names	Serpin E1; PLANH1; Endothelial plasminogen activator inhibitor; Plasminogen activator inhibitor 1; PAI; PAI1; PAI-1

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66125 as a detection antibody
	Neut	at least 15.0 µg/ml (To yield [ND50] of the biological activity of hPAI-1 (4.5 µg/ml))
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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 matrilysin-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis. [UniProt]

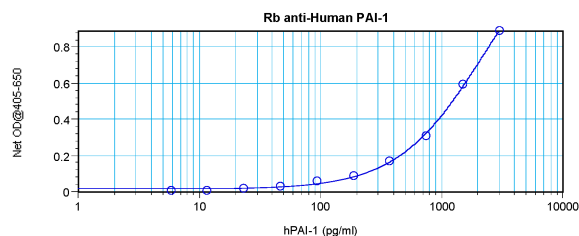
Calculated Mw

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



ARG66124 anti-PAI1 / SERPINE1 antibody standard curve image

Sandwich ELISA: ARG66124 anti-PAI1 / SERPINE1 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66125 anti-PAI1 / SERPINE1 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.