

Datasheet for ABIN1045960

anti-PAI1 antibody (AA 24-398) (FITC)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PAI1 (SERPINE1)
Binding Specificity:	AA 24-398
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAI1 antibody is conjugated to FITC
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Plasminogen activator inhibitor 1 protein (24-398AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PAI1 (SERPINE1)
Alternative Name:	SERPINE1 (SERPINE1 Products)
Background:	Background: Serine protease inhibitor. Inhibits TMPRSS7 (PubMed:15853774). Is a primary inhibitor of tissue-type plasminogen activator (PLAT) and urokinase-type plasminogen activator

Target Details

(PLAU). As PLAT inhibitor, it is required for fibrinolysis down-regulation and is responsible for the controlled degradation of blood clots (PubMed:8481516, PubMed:9207454, PubMed:17912461). As PLAU inhibitor, it is involved in the regulation of cell adhesion and spreading (PubMed:9175705). Acts as a regulator of cell migration, independently of its role as protease inhibitor (PubMed:15001579, PubMed:9168821). It is required for stimulation of keratinocyte migration during cutaneous injury repair (PubMed:18386027). It is involved in cellular and replicative senescence (PubMed:16862142). Plays a role in alveolar type 2 cells senescence in the lung (By similarity). Is involved in the regulation of cementogenic differentiation of periodontal ligament stem cells, and regulates odontoblast differentiation and dentin formation during odontogenesis (PubMed:25808697, PubMed:27046084).

Aliases: Clade E antibody, Endothelial plasminogen activator inhibitor antibody, Nexin antibody, Nexin plasminogen activator inhibitor type 1 antibody, PAI 1 antibody, PAI antibody, PAI-1 antibody, PAI1_HUMAN antibody, PLANH1 antibody, Plasminogen activator inhibitor 1 antibody, Plasminogen activator inhibitor type 1 antibody, Serine (or cysteine) proteinase inhibitor antibody, Serine (or cysteine) proteinase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1 antibody, Serine proteinase inhibitor clade E member 1 antibody, serpin antibody, Serpin E1 antibody, Serpin peptidase inhibitor clade E (nexin plasminogen activator inhibitor type 1) member 1 antibody, Serpin peptidase inhibitor clade E antibody, Serpine 1 antibody, SERPINE1 antibody

UniProt:	P05121
Pathways:	p53 Signaling , Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis , Autophagy , Smooth Muscle Cell Migration

Application Details

Application Notes:	Not yet tested in other applications. Optimal working dilutions should be determined experimentally by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid freeze and thaw cycles. Product is photosensitive and should be protected from light.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.