

Datasheet for ABIN1104210
anti-PAI1 antibody

2 Images



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Overview

Quantity:	50 µg
Target:	PAI1 (SERPINE1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Neutralization (Neut)

Product Details

Brand:	IHC-plus™
Immunogen:	E.coli derived recombinant Human PAI-1. Type of Immunogen: Cell extract
Isotype:	IgG
Specificity:	Human PAI-1
Purification:	Immunoaffinity purified

Target Details

Target:	PAI1 (SERPINE1)
Alternative Name:	SERPINE1 / PAI-1 (SERPINE1 Products)

Target Details

Background:	Name/Gene ID: SERPINE1
	Family: Serine Protease Inhibitor
	Synonyms: SERPINE1, PAI1, PLANH1, PAI-1, Serpin E1
Gene ID:	5054
UniProt:	P05121
Pathways:	p53 Signaling , Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis , Autophagy , Smooth Muscle Cell Migration

Application Details

Application Notes:	Approved: ELISA, IHC, IHC-P (5 µg/mL), Neut (15 µg/mL), WB (0.1 - 0.2 µg/mL)
	Usage: Immunohistochemistry: LS-B7483 in an IHC-plus antibody, validated by our pathologists for use in IHC against formalin-fixed, paraffin-embedded human tissues (IHC validation procedure). A concentration of 5 µg/mL is recommended. Neutralization: To yield one-half maximal inhibition [ND] of the biological activity of hPAI-1 (4.5 µg/mL), a concentration of at least 15 µg/mL of this antibody is required. ELISA: To detect hPAI-1 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human PAI-1 (LS-C104564) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hPAI-1. Western Blot: To detect hPAI-1 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPAI-1 is 1.5-3 ng/lane, under either reducing or non-reducing conditions.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Sterile water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS, pH 7.2

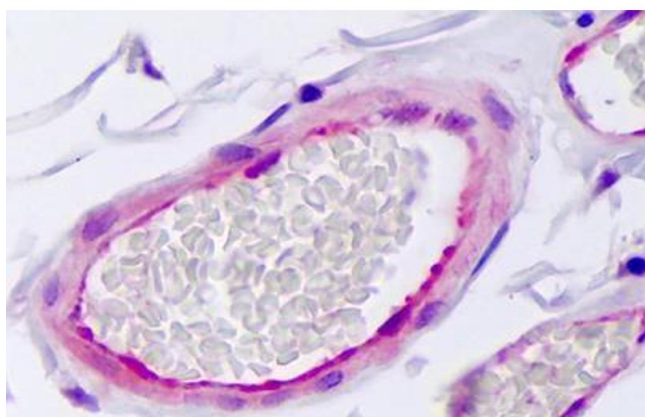
Handling

Handling Advice: Avoid freeze/thaw cycles.

Storage: 4 °C, -20 °C

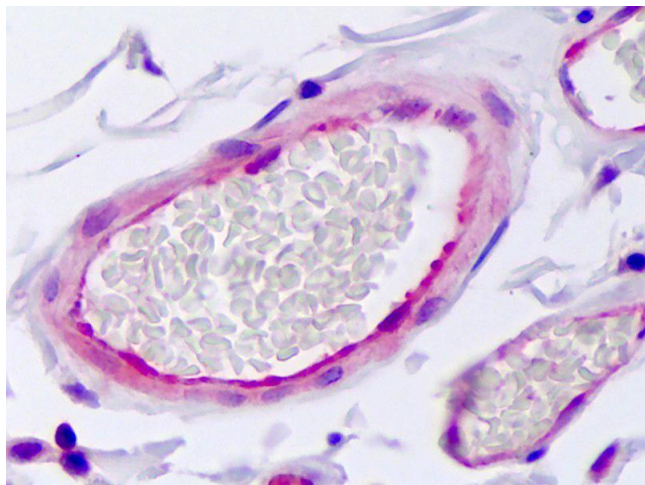
Storage Comment: Store Lyophilized at room temperature up to 1 month
Reconstituted for up to 2 weeks at 2-8°C. Aliquot and freeze at -20°C for long term storage.
Avoid freeze/thaw cycles.

Images



Immunohistochemistry

Image 1. Anti-SERPINE1 / PAI-1 antibody IHC staining of human vascular endothelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1104210 concentration 5 ug/ml.



Immunohistochemistry

Image 2. Anti-SERPINE1 / PAI-1 antibody IHC of human vascular endothelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.