

# Human Serpin E1/PAI-1 antibody

Catalog Number: ATGA0458

## PRODUCT INFORMATION

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**Catalog number**

ATGA0458

**Clone No.**

AT1C5

**Product type**

Monoclonal Antibody

**UnitProt No.**

P05121

**NCBI Accession No.**

NP\_000593

**Alternative Names**

Plasminogen activator inhibitor-1, PLANH1, SERPINE1, PAI1, PLANH1, Plasminogen activator inhibitor-1, Plasminogen activator inhibitor-1

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human PAI1 (24-402aa) purified from E. coli.

**Isotype**

IgG1 kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB, ICC/IF

**Usage**

The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

# Human Serpin E1/PAI-1 antibody

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## Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

Plasminogen activator inhibitor-1 (PAI-1), a member of the serine protease inhibitor (serpin) super family. PAI-1 is the principal inhibitor of tissue plasminogen activator and urokinase, the activators of plasminogen and hence fibrinolysis. PAI-1 is mainly produced by the endothelium but is also secreted by other tissue types, such as adipose tissue.

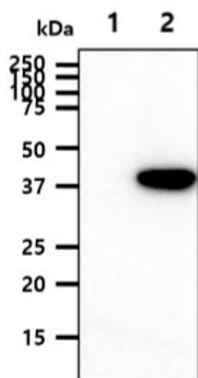
### General References

Gorlatova NV., et al.(2007) J Biol Chem. 282(12): 9288-9296.

Renckens R., et al. (2006) J Immunol. 177(11): 8171-8176.

## DATA

### Western blot analysis (WB)

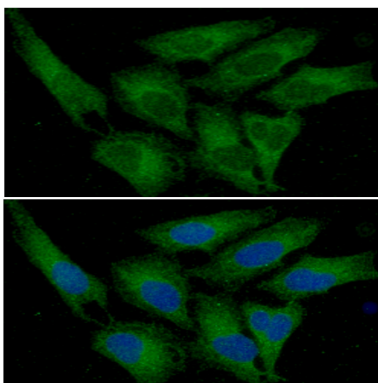


The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PAI1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate

Lane 2.: PAI1 transfected 293T cell lysate

### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of PAI1 in HeLa cells. The cell was stained with ATGA0458 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).