

Datasheet for ABIN969566

**anti-PAI1 antibody**

6 Images

2 Publications

[Go to Product page](#)

## Overview

|              |   |
|--------------|---|
| Quantity:    | 0.1 mg  |
| Target:      | PAI1 (SERPINE1)   |
| Reactivity:  | Human   |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | Purified recombinant fragment of human SERPINE1 expressed in E. coli. |
| Clone:        | 1D5   |
| Isotype:      | IgG1  |
| Purification: | purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PAI1 (SERPINE1)   |
| Alternative Name: | SERPINE1 ( <a href="#">SERPINE1 Products</a> )  |
| Background:       | Description: 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 |

## Target Details

|                   |   |
|-------------------|---|
|                   | encoding different isoforms have been found for this gene.<br>Aliases: PAI, PAI1, PAI-1, PLANH1   |
| Molecular Weight: | 45 kDa  |
| Gene ID:          | 5054  |
| HGNC:             | 5054  |
| Pathways:         | <a href="#">p53 Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> |

## Application Details

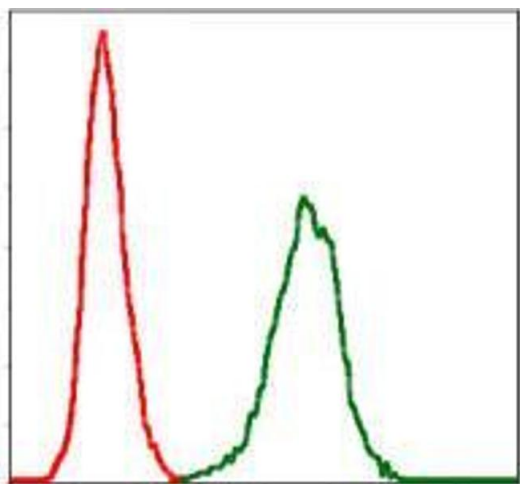
|                    |   |
|--------------------|---|
| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400 |
| Restrictions:      | For Research Use only   |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Purified antibody in PBS with 0.05 % sodium azide  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C/-20 °C  |
| Storage Comment:   | 4°C, -20°C for long term storage   |

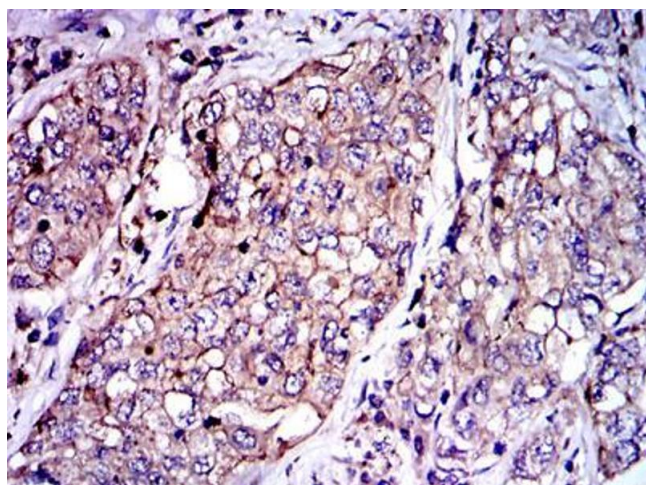
## Publications

|                   |   |
|-------------------|---|
| Product cited in: | Koc, Cimen, Kumcuoglu, Abu, Akpinar, Haque, Spremulli, Koc: "Identification and characterization of CHCHD1, AURKAIP1, and CRIF1 as new members of the mammalian mitochondrial ribosome." in: <b>Frontiers in physiology</b> , Vol. 4, pp. 183, (2013) ( <a href="#">PubMed</a> ). |
|-------------------|---|



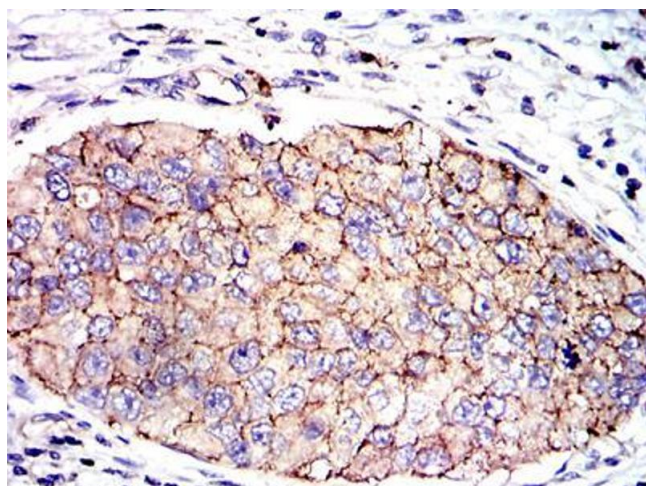
#### Flow Cytometry

**Image 1.** Flow cytometric analysis of NIH/3T3 cells using SERPINE1 mouse mAb (green) and negative control (red).



#### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SERPINE1 mouse mAb with DAB staining.



#### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded kidney cancer tissues using SERPINE1 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN969566.