# **PRODUCT INFORMATION**

Catalog number ATGA0575

Clone No. AT2N6

**Product type** Monoclonal antibody

UnitProt No. P36952

NCBI Accession No. NP\_002630

## **Alternative Names**

Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, Serine (or cysteine) proteinaseinhibitor clade B (ovalbumin) member 5, Serpin B5, Protease inhibitor 5, SERPINB5, PI5, Serine (orcysteine) proteinase inhibitor clade B (ovalbumin) member 5 Serine (or cysteine) peptidase inhibitor, clade B, member 5, Ovalbumin, PI-5, Serpin peptidase inhibitor, Serpin peptidase inhibitor, Serpin S, Spi7, Spi7, Spi7, Spi7, Serpin S, Serpin S, Spi7, Spi7, Serpin S, Serpin S, Spi7, Spi7, Serpin S, Spi7, Spi7, Serpin S, Spi7, Spi

## **Additional Information**

This product was produced from tissue culture supernatant.

# **PRODUCT SPECIFICATION**

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 Maspin (1-375aa) purified from E. coli

Isotype IgG2b kappa

**Purification Note** By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

#### Usage

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

### 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

Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, also known as Maspin, is a tumorsuppressor protein of serine proteinase inhibitor family. It plays an essential role in embryonic developmentthrough critical roles in cell adhesion. Also, it is present in normal breast and prostatic epithelial cells butdownregulated in the respective carcinomas.

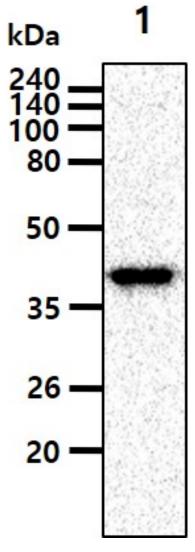
## **General References**

Lockett J. et al., (2006) J Cell Biochem 97(4):651-660. Khalkhali Ellis Z. et al., (2006) Clin Cancer Res 12(24):7279-7283.

## DATA

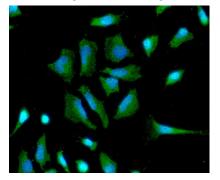
Western blot analysis (WB)

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The cell lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Serpin B5/Maspin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: A431 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of Serpin B5/Maspin in HeLa cells. The cell was stained with ATGA0575 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

