Human Serpin B5/Maspin antibody

Catalog Number: ATGA0167

PRODUCT INFORMATION

Catalog number
ATGA0167

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) proteinase inhibitor clade B (ovalbumin) member 5, Serpin B5, Protease inhibitor 5, SERPINB5, PI5, Serine (or cysteine) 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, clade B (ovalbumin), member 5, SERPINB5, Spi5, Spi7

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-G 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.

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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

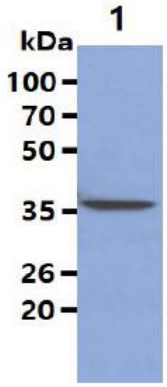
Serine (or cysteine) proteinase inhibitor clade B (ovalbumin) member 5, also known as Maspin, is a tumor suppressor protein of serine proteinase inhibitor family. It plays an essential role in embryonic development through critical roles in cell adhesion. Also, it is present in normal breast and prostatic epithelial cells but downregulated 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.

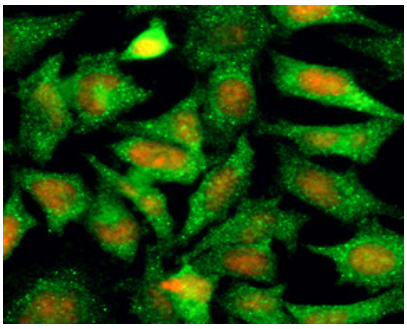
DATA

Western blot analysis (WB)



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.: HeLa cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



Immunofluorescence of human HeLa cells stained with PI (Red) and monoclonal anti-Maspin antibody (1:500) with Alexa 488 (Green).