

Maspin Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12083c

Product Information

Application IHC-P, IF, WB, E

Primary Accession <u>P36952</u>

Other Accession P70124, NP_002630.2
Reactivity Human, Rat, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB18808Calculated MW42100Antigen Region94-123

Additional Information

Gene ID 5268

Other Names Serpin B5, Maspin, Peptidase inhibitor 5, PI-5, SERPINB5, PI5

Target/Specificity This Maspin antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 94-123 amino acids from the Central

region of human Maspin.

Dilution IHC-P~~1:100~500 IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Maspin Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name SERPINB5

Synonyms PI5

Function Tumor suppressor. It blocks the growth, invasion, and metastatic properties

of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.

Cellular Location Secreted, extracellular space.

Tissue Location Normal mammary epithelial cells.

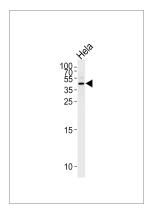
Background

SERPINB5 is a tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.

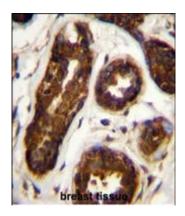
References

Kim, J., et al. Tumour Biol. 31(5):471-476(2010) Juengel, E., et al. World J Urol 28(4):465-471(2010) Besgen, P., et al. J. Immunol. 184(9):5392-5402(2010) Fung, C.L., et al. Histopathology 56(3):319-330(2010) Adim, S.B., et al. World J Surg Oncol 8, 22 (2010):

Images

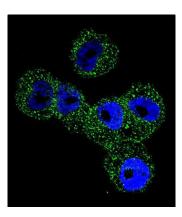


Western blot analysis of lysate from Hela cell line, using Maspin Antibody (Center)(Cat. #AP12083c). AP12083c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



Maspin Antibody (Center) (Cat. #AP12083c)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Maspin Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Confocal immunofluorescent analysis of Maspin Antibody (Center)(Cat#AP12083c) with A2058 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Citations

- Maspin impairs the function of endothelial cells: an implying pathway of preeclampsia.
 Decitabine improves the clinical manifestations of rats with I-NAME-induced pre-eclampsia: a potential approach to studying pre-eclampsia.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.