

For Research Use Only

# Maspin Polyclonal antibody

Catalog Number: 11722-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 11722-1-AP	<b>GenBank Accession Number:</b> BC020713	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 ug/ml	<b>GeneID (NCBI):</b> 5268	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36952	IHC 1:150-1:600
<b>Isotype:</b> IgG	<b>Full Name:</b> serpin peptidase inhibitor, clade B (ovalbumin), member 5	IF/ICC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG2304	<b>Calculated MW:</b> 375 aa, 42 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, A431 cells, HeLa cells
<b>Cited Applications:</b> WB, IHC, IF	IHC : human bowen disease, human breast cancer tissue, human lung cancer tissue, human pancreas tissue
<b>Species Specificity:</b> human	IF/ICC : A431 cells,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SERPINB5, also named as PI-5, Maspin and Serpin B5, belongs to the serpin family and Ov-serpin subfamily. It 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, SERPINB5 exhibits no serine protease inhibitory activity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chang-Fu Yang	24262659	Cancer Lett	WB
Jinfeng Zhu	35614040	Cell Death Dis	IF
Hengwei Zhang	28927140	Oncol Lett	WB

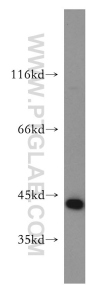
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

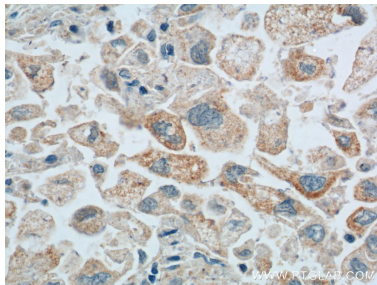
For technical support and original validation data for this product please contact:  
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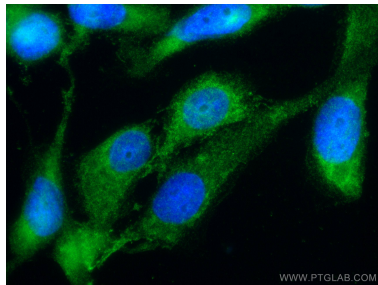
Selected Validation Data



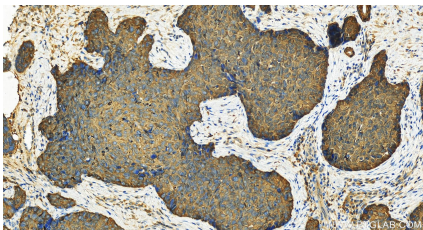
HepG2 cells were subjected to SDS PAGE followed by western blot with 11722-1-AP (Maspin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



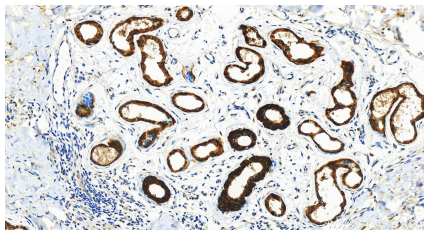
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11722-1-AP (Maspin antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using Maspin antibody (11722-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human Bowen disease slide using 11722-1-AP (Maspin antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human Bowen disease slide using 11722-1-AP (Maspin antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).