

# Maspin Monoclonal antibody

Catalog Number: 67633-1-Ig

## Basic Information

<b>Catalog Number:</b> 67633-1-Ig	<b>GenBank Accession Number:</b> BC020713	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5268	<b>CloneNo.:</b> 3G5A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P36952	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600 IF/ICC 1:800-1:3200
<b>Isotype:</b> IgG2a	<b>Full Name:</b> serpin peptidase inhibitor, clade B (ovalbumin), member 5	
<b>Immunogen Catalog Number:</b> AG19129	<b>Calculated MW:</b> 375 aa, 42 kDa	
	<b>Observed MW:</b> 38-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HepG2 cells, Human saliva, HeLa cells, A431 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human oesophagus cancer tissue,
	<b>IF/ICC :</b> HEK-293 cells,

## 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.

## Storage

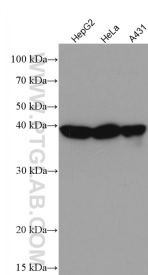
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

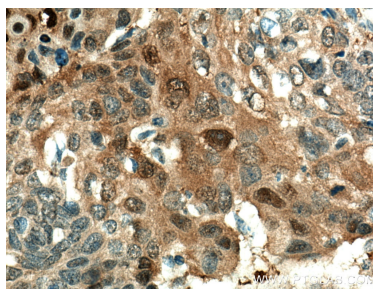
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

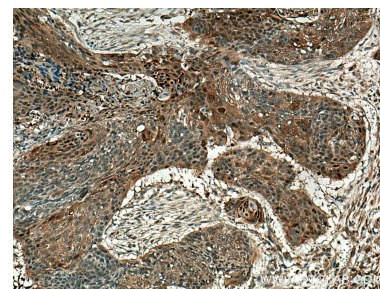
## Selected Validation Data



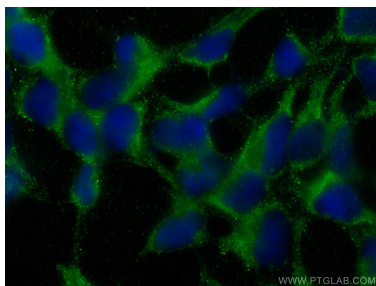
Various lysates were subjected to SDS PAGE followed by western blot with 67633-1-Ig (Maspin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 67633-1-Ig (Maspin antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 67633-1-Ig (Maspin antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using Maspin antibody (67633-1-Ig, Clone: 3G5A3 ) at dilution of 1:1600 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).