

## Product datasheet for **TA322981S**

### MASPIN (SERPINB5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse lung tissue IHC: 100-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	serpin family B member 5
Database Link:	<a href="#">NP_002630</a> <a href="#">Entrez Gene 20724 Mouse</a> <a href="#">Entrez Gene 5268 Human</a> <a href="#">P36952</a>



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**Background:**

Maspin (mammary serine protease inhibitor) also known as serpin B5 is a protein that in humans is encoded by the SERPINB5 gene.[1] This protein belongs to the serpin (serine protease inhibitor) superfamily.[1] SERPINB5 also functions as a tumor suppressor gene in epithelial cells. The expressed protein suppresses the ability of cancer cells to invade and metastasize other tissues. The protein also functions as an angiogenesis inhibitor. 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.

**Synonyms:**

maspin; PI5

**Protein Families:**

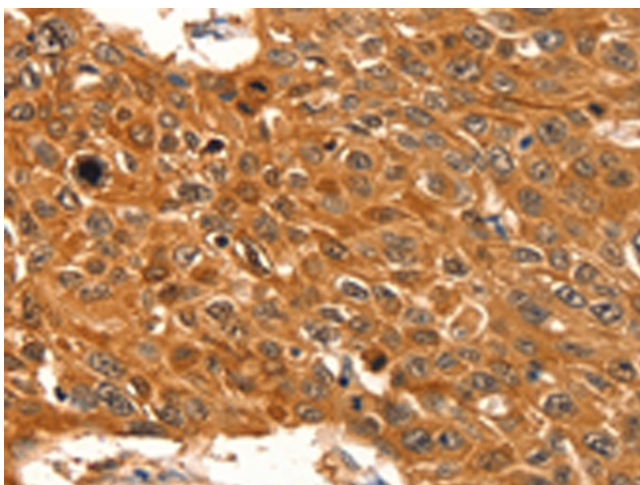
Druggable Genome, Secreted Protein

**Protein Pathways:**

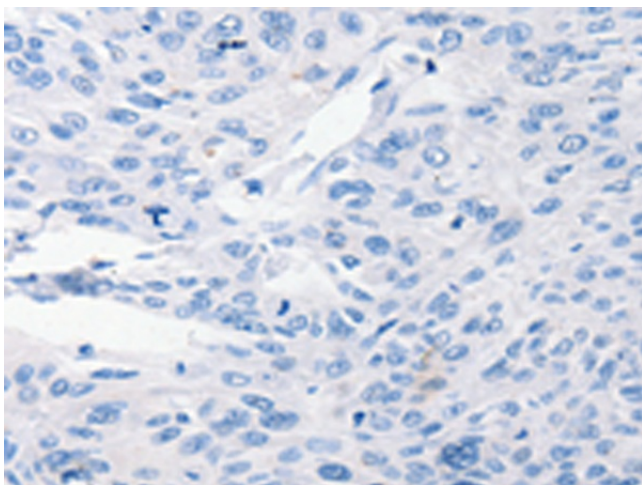
p53 signaling pathway

**Product images:**

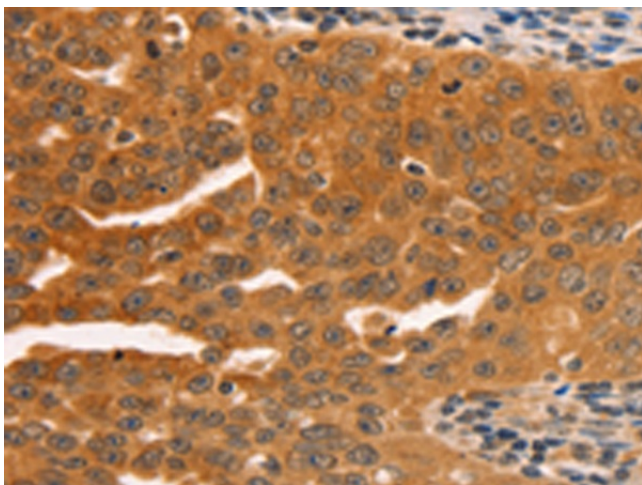

Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane: Mouse lung tissue  
 Primary antibody: [TA322981] (SERPINB5 Antibody) at dilution 1/1000  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 10 seconds



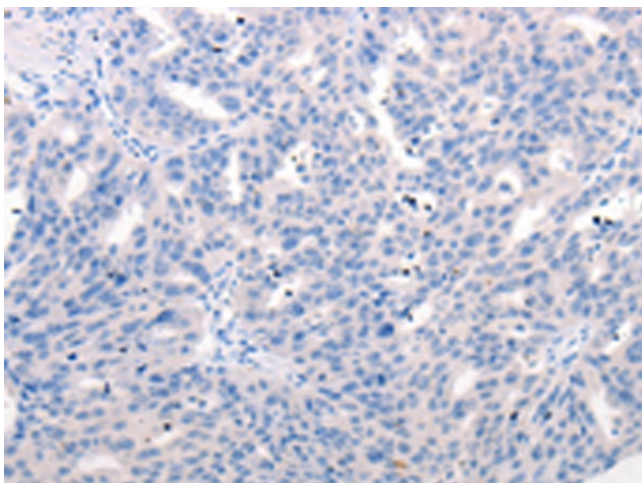
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA322981] (SERPINB5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA322981] (SERPINB5 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA322981] (SERPINB5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA322981] (SERPINB5 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)