

## Rabbit anti-Human Serpin B5 Polyclonal Antibody | anti-SERPINB5 antibody

Rabbit anti-human Serpin B5 polyclonal Antibody(SERPINB5)

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA114163</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

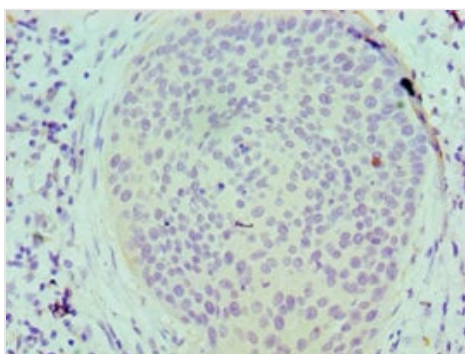
### PRODUCT SYNONYMS

Serpin B5; Polyclonal Antibody; Rabbit anti-human Serpin B5 polyclonal Antibody(SERPINB5); Maspin; Peptidase inhibitor 5; PI-5; SERPINB5; PI5; anti-SERPINB5 antibody

### PRODUCT SPECIFICATIONS

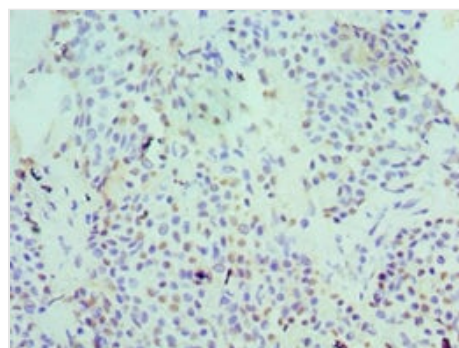
|                                                    |                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                         |
| Reactivity                                         | Human                                                                                                          |
| Clonality                                          | Polyclonal                                                                                                     |
| Isotype                                            | IgG                                                                                                            |
| Purity/Purification                                | Antigen Affinity Purified                                                                                      |
| Sequence Length                                    | 375                                                                                                            |
| Applicable Applications for anti-SERPINB5 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                           |
| Storage Buffer                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Conjugate                                          | Non-conjugated                                                                                                 |
| Immunogen                                          | Recombinant human Serpin B5 protein (21-189aa)                                                                 |
| Santa Cruz Alternative                             | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8543 / sc-22762                        |
| Preparation and Storage                            | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



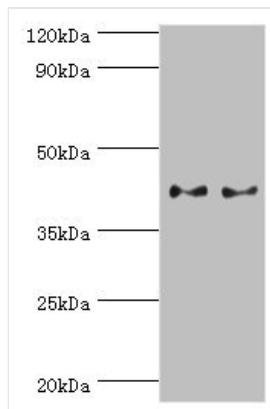
**IHC (Immunohistochemisry)**

Immunohistochemistry of paraffin-embedded human cervical cancer using AAA114163 at dilution 1:100



**IHC (Immunohiostchemistry)**

Immunohistochemistry of paraffin-embedded human breast cancer using AAA114163 at dilution 1:100



#### WB (Western Blot)

All lanes: Serpin B5 antibody at 2ug/ml  
 Lane 1: HepG2 whole cell lysate  
 Lane 2: A431 whole cell lysate  
 Secondary: Goat polyclonal to rabbit at 1/10000 dilution  
 Predicted band size: 43,26 kDa  
 Observed band size: 42 kDa

### ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-SERPINB5 antibody</b> | 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. |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 167860126                                                 |
| NCBI GeneID                      | 5268                                                      |
| NCBI Accession #                 | NP_002630.2                                               |
| NCBI GenBank Nucleotide #        | NM_002639.4                                               |
| UniProt Accession #              | P36952; Q6N0B4; Q8WW89; B2R6Y4                            |
| Molecular Weight                 | 25,763 Da                                                 |
| NCBI Official Full Name          | serpin B5                                                 |
| NCBI Official Synonym Full Names | serpin peptidase inhibitor, clade B (ovalbumin), member 5 |
| NCBI Official Symbol             | SERPINB5                                                  |
| NCBI Official Synonym Symbols    | PI5; maspin                                               |
| NCBI Protein Information         | serpin B5                                                 |
| UniProt Protein Name             | Serpin B5                                                 |
| UniProt Gene Name                | <b>SERPINB5</b>                                           |
| UniProt Synonym Gene Names       | PI5; PI-5                                                 |
| UniProt Entry Name               | SPB5_HUMAN                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.