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# Datasheet for ABIN728233 anti-SERPINB5 antibody (AA 301-375)

3 Images

1 Publication



### Overview

| Quantity:            | 100 µL   |
|----------------------|--|
| Target:              | SERPINB5   |
| Binding Specificity: | AA 301-375   |
| Reactivity:          | Human, Rat, Rabbit   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This SERPINB5 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded<br>Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

| Immunogen:            | KLH conjugated synthetic peptide derived from mouse Maspin |
|-----------------------|--|
| Isotype:              | IgG  |
| Cross-Reactivity:     | Human, Rabbit, Rat   |
| Predicted Reactivity: | Mouse  |
| Purification:         | Purified by Protein A.                                     |
|                       |  |
| Target Details        |  |

Target:

SERPINB5

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### Target Details

| Alternative Name: | Maspin (SERPINB5 Products)   |
|-------------------|--|
| Background:       | Synonyms: PI5, maspin, Serpin B5, Peptidase inhibitor 5, PI-5, SERPINB5<br>Background: Tumor suppressor. It blocks the growth, invasion, and metastatic properties of<br>mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational<br>transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. |
| Gene ID:          | 5268   |
| UniProt:          | P70124   |
| Pathways:         | p53 Signaling  |

# Application Details

| Application Notes: | WB 1:300-5000         |
|--------------------|-----------------------|
|                    | ELISA 1:500-1000      |
|                    | IHC-P 1:200-400       |
|                    | IHC-F 1:100-500       |
|                    | IF(IHC-P) 1:50-200    |
|                    | IF(IHC-F) 1:50-200    |
|                    | IF(ICC) 1:50-200      |
| Restrictions:      | For Research Use only |

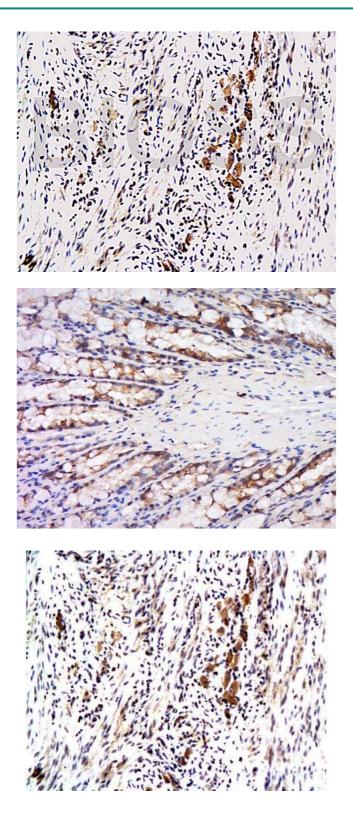
# Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 μg/μL  |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.  |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months  |

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Sun, Wu, Ruan, Zheng, Song, Zhun, Wu, Gotlieb: "Expression patterns of maspin and mutant p53 are associated with the development of gestational trophoblastic neoplasia." in: **Oncology letters**, Vol. 12, Issue 5, pp. 3135-3142, (2016) (PubMed).

#### Images



#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human colon carcinoma with Anti-Maspin Polyclonal Antibody, Unconjugated (ABIN728233) at 1:200, followed by conjugation to the secondary antibody and DAB staining

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded rat rectum, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Maspin Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded human colon carcinoma with Anti-Maspin Polyclonal Antibody, Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining

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