# Product datasheet

## Anti-MASPIN antibody ab66513

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-MASPIN antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to MASPIN</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, IHC-P</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td><strong>Predicted to work with:</strong></td>
<td>Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog</td>
</tr>
</tbody>
</table>

**Immunogen**

A region within synthetic peptide: TKECPFRLNK TDTKPQVMNN MEATFCMGNI DSINCKIEEL PFQNKHLSMF, corresponding to internal sequence amino acids 180-229 of Human MASPIN

**Positive control**

WB: HepG2 cell lysate  
IHC-P: Human skin tissue

### Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| Storage buffer       | Preservative: 0.09% Sodium azide  
Constituents: 2% Sucrose, PBS |
| Purity       | Protein A purified                       |
| Clonality    | Polyclonal                                |
| Isotype      | IgG                                        |

### Applications

Our [Abpromise guarantee](#) covers the use of ab66513 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.625 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.</td>
</tr>
</tbody>
</table>
Function
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.

Tissue specificity
Normal mammary epithelial cells.

Sequence similarities
Belongs to the serpin family. Ov-serpin subfamily.

Cellular localization
Secreted > extracellular space.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 4 - 8 µg/ml.</td>
</tr>
</tbody>
</table>

Target

Function
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.

Tissue specificity
Normal mammary epithelial cells.

Sequence similarities
Belongs to the serpin family. Ov-serpin subfamily.

Cellular localization
Secreted > extracellular space.

Images

Western blot - Anti-MASPIN antibody (ab66513) at 0.625 µg/ml + HepG2 cell lysate at 10 µg

Secondary
HRP conjugated anti-rabbit IgG at 1/50000 dilution

Predicted band size: 42 kDa
Observed band size: 42 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skin tissue labelling MASPIN with ab66513 at 4-8µg/ml. Arrows indicate positively labelled squamous epithelial cells. Magnification: 400X.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors