

# Product Datasheet

## Serpin B5/Maspin Antibody - BSA Free NBP1-87779

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-87779**

Serpine B5/Maspin Antibody - BSA Free

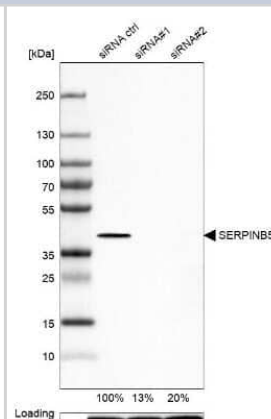
| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                                           |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| Clonality           | Polyclonal                                                                                                       |
| Preservative        | 0.02% Sodium Azide                                                                                               |
| Isotype             | IgG                                                                                                              |
| Purity              | Immunogen affinity purified                                                                                      |
| Buffer              | PBS (pH 7.2) and 40% Glycerol                                                                                    |

| Product Description |                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit Serpin B5/Maspin Antibody - BSA Free (NBP1-87779) is a polyclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                   |
| Gene ID             | 5268                                                                                                                                                                                                     |
| Gene Symbol         | SERPINB5                                                                                                                                                                                                 |
| Species             | Human, Rat                                                                                                                                                                                               |
| Reactivity Notes    | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%)                                                                                                     |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>TFCMGNIDSINCKIIELPFQNKHLMSFILLPKDVEDESTGLEKIEKQLNSESLSQW<br>TNPSTMANAKVKLSIPKFKVEKMIDPK                         |

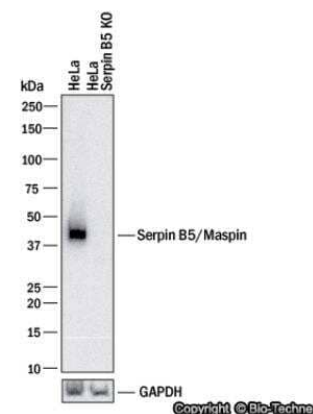
| Product Application Details |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated                                            |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                                                                             |

**Images**

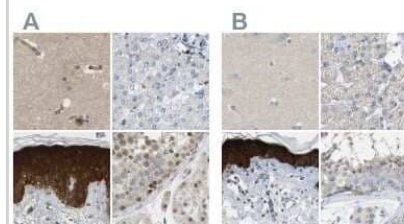
Western Blot: Serpin B5/Maspin Antibody [NBP1-87779] - Analysis in HeLa cells transfected with control siRNA, target specific siRNA probe #1 and #2,. Remaining relative intensity is presented. Loading control: Anti-PPIB.



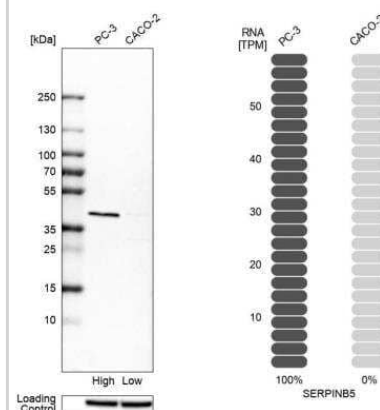
**Western Blot: Serpin B5/Maspin Antibody [NBP1-87779]** - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and MASPIN/Serpin B5 knockout (KO) HeLa cell line. PVDF membrane was probed with 0.5 ug/ml of Rabbit Anti-Human MASPIN/Serpin B5 Polyclonal Antibody (Catalog # NBP1-87779) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for MASPIN/Serpin B5 at approximately 40 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



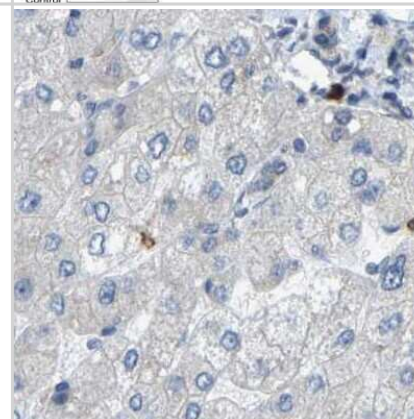
**Immunohistochemistry-Paraffin: Serpin B5/Maspin Antibody [NBP1-87779]** - Staining of human cerebral cortex, liver, skin and testis using Anti-SERPINB5 antibody NBP1-87779 (A) shows similar protein distribution across tissues to independent antibody NBP1-87780 (B).



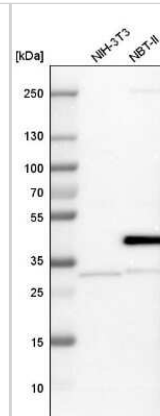
**Western Blot: Serpin B5/Maspin Antibody [NBP1-87779]** - Western blot analysis in human cell lines PC-3 and Caco-2. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



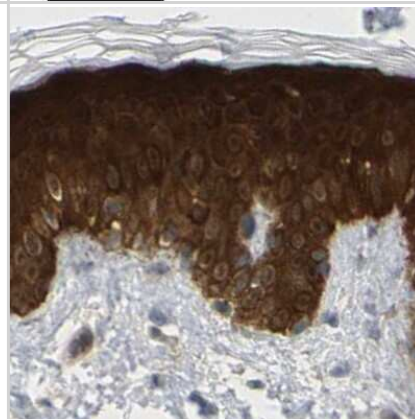
**Immunohistochemistry-Paraffin: Serpin B5/Maspin Antibody [NBP1-87779]** - Staining of human liver.



Western Blot: Serpin B5/Maspin Antibody [NBP1-87779] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



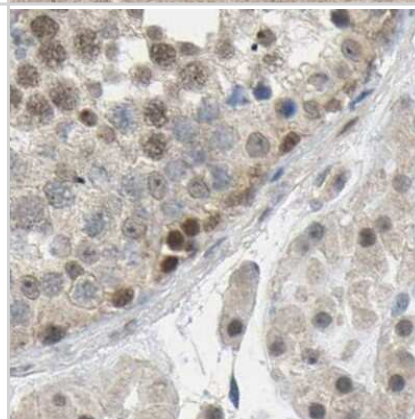
Immunohistochemistry-Paraffin: Serpin B5/Maspin Antibody [NBP1-87779] - Staining of human skin.



Immunohistochemistry-Paraffin: Serpin B5/Maspin Antibody [NBP1-87779] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: Serpin B5/Maspin Antibody [NBP1-87779] - Staining of human testis.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP1-87779**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-87779PEP | Serpin B5/Maspin Recombinant Protein Antigen        |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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