

# Product Datasheet

## Serpin B5/Maspin Antibody - BSA Free NB110-97377

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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**NB110-97377**

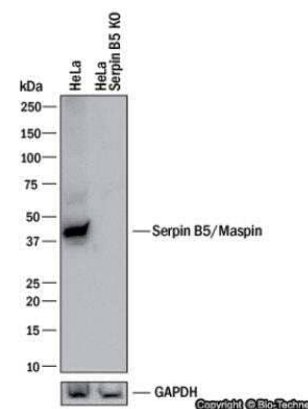
Serpine B5/Maspin Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Target Molecular Weight	40 kDa
Product Description	
Host	Rabbit
Gene ID	5268
Gene Symbol	SERPINB5
Species	Human
Immunogen	Synthetic peptide made to an internal portion of human MASPIN (within residues 100-200). [Swiss-Prot# P36952]
Product Application Details	
Applications	Western Blot, ICC/IF (Negative), Knockdown Validated
Recommended Dilutions	Western Blot 0.5 ug/ml, ICC/IF (Negative), Knockdown Validated
Application Notes	This MASPIN antibody is useful for Western blot, where a doublet is seen at ~40 kDa. Does not work in Immunocytochemistry/Immunofluorescence. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

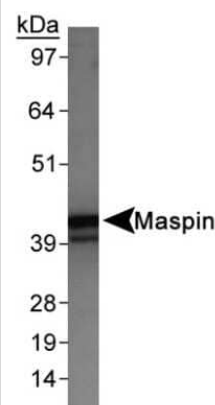


## Images

Knockdown Validated: Serpin B5/Maspin Antibody [NB110-97377] - 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 # NB110-97377) 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.



Western Blot: MASPIN Antibody [NB110-97377] - Detection of Maspin in HeLa whole cell extracts using NB110-97377.



## Procedures

### Western Blot Protocol for MASPIN Antibody (NB110-97377)

Serpin B5/Maspin Antibody:

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 30 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH<sub>2</sub>O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-Maspin primary antibody (NB 110-97377) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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### **Products Related to NB110-97377**

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NB820-59466	Raji Whole Cell Lysate
NB110-97377PEP	Serpin B5/Maspin Antibody Blocking Peptide
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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