

# Product Datasheet

## MMP-7 Antibody - BSA Free

### NBP1-99123

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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**NBP1-99123**

MMP-7 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.28 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS

**Product Description**

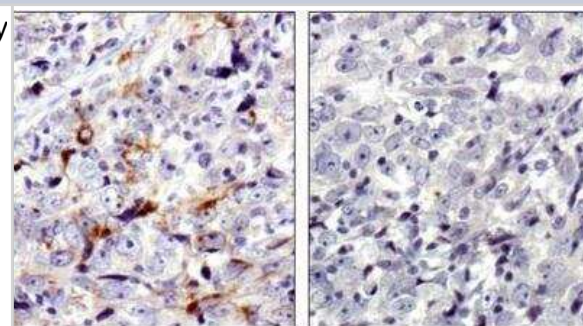
<b>Host</b>	Rabbit
<b>Gene ID</b>	4316
<b>Gene Symbol</b>	MMP7
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	A synthetic peptide made to an internal portion of the human MMP7 protein (between residues 250-300) [UniProt P09237]

**Product Application Details**

<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:300, Immunohistochemistry-Paraffin 1:300
<b>Application Notes</b>	This MMP7 antibody is useful for Immunohistochemistry-paraffin embedded sections, where staining is seen in the extracellular matrix of human breast cancer. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

**Images**

Immunohistochemistry: MMP-7 Antibody [NBP1-99123] - MMP7 antibody was tested in human breast cancer using DAB with hematoxylin counterstain. The image on the right had the antibody blocked by preincubation with immunizing peptide.



## Publications

Dudley JS, Renfree MB, Wagner GP, Griffith OW. The extension of mammalian pregnancy required taming inflammation: Independent evolution of extended placentation in the tammar wallaby. Proceedings of the National Academy of Sciences of the United States of America 2024-10-08 [PMID: 39378090]

Dudley J, Renfree M, Wagner G, Griffith O The extension of mammalian pregnancy required taming inflammation; independent evolution of extended placentation in the tammar wallaby bioRxiv 2023-06-21 (IHC-P, Kangaroo)

Details:

Species are Tammar wallaby; 1.28 mg/mL



## Procedures

### **Immunohistochemistry-Paraffin Embedded Sections Protocol specific for MMP7 antibody (NBP1-99123)**

#### MMP-7 Antibody:

#### Immunohistochemistry-Paraffin Embedded Sections

#### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

#### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

\*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





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### **Products Related to NBP1-99123**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-99123B	MMP-7 Antibody [Biotin]

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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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