

# Product Datasheet

## MMP-9 Antibody - BSA Free NBP1-57940

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-57940**

MMP-9 Antibody - BSA Free

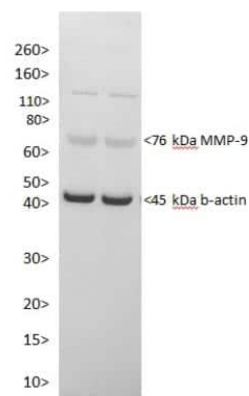
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 mg                                   |
| Concentration           | 1.0 mg/ml                                |
| Storage                 | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality               | Polyclonal                               |
| Preservative            | 0.02% Sodium Azide                       |
| Isotype                 | IgG                                      |
| Purity                  | Immunogen affinity purified              |
| Buffer                  | PBS                                      |
| Target Molecular Weight | 78 kDa                                   |

| Product Description |  |
|---------------------|--|
| Host                | Rabbit   |
| Gene ID             | 4318   |
| Gene Symbol         | MMP9   |
| Species             | Human, Mouse, Rat, Sheep   |
| Immunogen           | Synthetic peptide corresponding to the N-terminal of the human MMP-9 protein (between amino acids 150-200) UniProt P14780. |

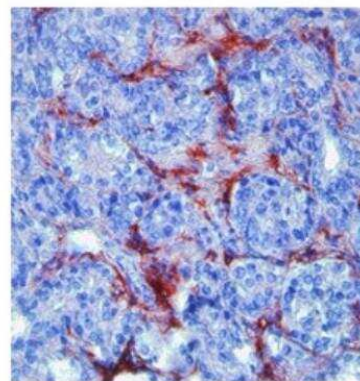
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin                               |
| Recommended Dilutions       | Western Blot 1.25 ug/mL, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin 1:250 |

**Images**

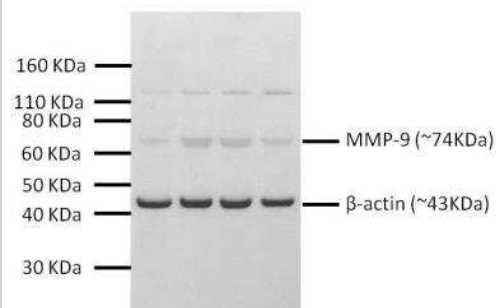
Western Blot: MMP-9 Antibody [NBP1-57940] - Western blot of MMP-9.  
Image from verified customer review.



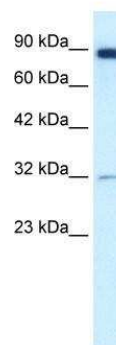
Immunohistochemistry-Paraffin: MMP-9 Antibody [NBP1-57940] - Human prostate cancer was detected using HRP/AEC red color stain. Dilution: 2-15 ug/mL.



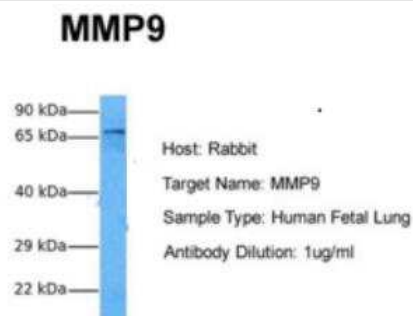
Western Blot: MMP-9 Antibody [NBP1-57940] - Analysis of MMP-9 in mouse brain tumor lysate (GL261 implanted mouse glioma tissue, 40 ug/lane) using anti-MMP-9 antibody. Image from verified customer review.



Western Blot: MMP-9 Antibody [NBP1-57940] - HeLa cell lysate. Antibody at 1.25 ug/mL.



Western Blot: MMP-9 Antibody [NBP1-57940] - Human Fetal Lung. Antibody at 1.0 ug/mL.



## Publications

Kollaras V, Valsami G, Lambropoulou M et al. Effect of silibinin on the expression of MMP2, MMP3, MMP9 and TIMP2 in kidney and lung after hepatic ischemia/reperfusion injury in an experimental rat model *Acta Cirúrgica Brasileira* 2021-11-08 [PMID: 34755764] (Immunohistochemistry)

Cengel Kurnaz S, Kuruca N, GUvenC D et al. Topical Administration of Carvacrol Improves Healing in Nasal Septal Perforation: An Experimental Animal Study *American journal of rhinology & allergy* 2022-03-03 [PMID: 35238647] (IF/IHC)

Su C Tanshinone IIA decreases the migratory ability of AGS cells by decreasing the protein expression of matrix metalloproteinases, nuclear factor kappa B-p65 and cyclooxygenase-2. *Mol Med Rep* 2016-01-02 [PMID: 26648518] (WB, Human)

De Cunto G, Lamberti A, de Santi MM et al. Middermal Elastolysis: Dermal Fibroblasts Cooperate with Inflammatory Cells to the Elastolytic Disorder Mediators *Inflamm.* 2017-09-16 [PMID: 29097850] (IF/IHC, Human)

Stacy MR, Best CA, Maxfield MW et al. Magnetic Resonance Imaging of Shear Stress and Wall Thickness in Tissue-Engineered Vascular Grafts. *Tissue Eng Part C Methods.* 2018-07-31 [PMID: 29978768] (IHC-P, Sheep)

Vuong TT, Ronning SB, Kolset SO, Pedersen ME. The enzyme profiles in the connective tissue attaching pin bones to the surrounding tissue is specific in farmed salmon (*Salmo salar*) and cod (*Gadus morhua* L.) *Fish Physiol. Biochem.* 2016-07-09 [PMID: 27394140] (IHC-P)

Xu B, Guenther JF, Pociask DA et al. Promotion of Lung Tumor Growth by Interleukin-17. *Am. J. Physiol. Lung Cell Mol. Physiol.* 2014-07-18 [PMID: 25038189] (IHC-P, Mouse)

### Details:

MMP9 antibody used for IHC-P on lungs of K-RasLA1 mice (C57BL/6 background) - autochthonous/lung tumor model (lung delivery of a recombinant adenovirus that expresses IL-17A). Primary dilution 1:200, ON 4C incubation, HRP-DAB detection, IHC images in Fig. 3C.

Cengel Kurnaz S, Aksoy A, Guven D. Does Resveratrol Have a Protective Effect on Tympanosclerosis Formation in Experimentally Induced Otitis Media? *Int Adv Otol* 2 2014-01-01 (IHC-P, Rat)

Vaithilingam V, Quayum N, Joglekar MV et al. Effect of alginate encapsulation on the cellular transcriptome of human islets. *Biomaterials.* 2011-09-01 [PMID: 21889795] (WB, Human)

Bellini T, Trentini A, Manfrinato MC, Tamborino C, Volta CA, Di Foggia V, Fainardi E, Dallochio F, Castellazzi M. Matrix metalloproteinase-9 activity detected in body fluids is the result of two different enzyme forms. *J Biochem*;151 (5):493-499. 2012-05-01 [PMID: 22343748] (WB, Human)



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### **Products Related to NBP1-57940**

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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                          |
| NBP1-57940PEP | MMP-9 Antibody Blocking Peptide                     |

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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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