

# Product Datasheet

## MMP-12 Antibody - BSA Free NBP1-31225

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**NBP1-31225**

MMP-12 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	54 kDa

**Product Description**

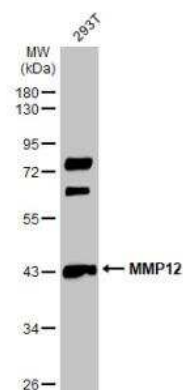
<b>Host</b>	Rabbit
<b>Gene ID</b>	4321
<b>Gene Symbol</b>	MMP12
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported from a verified customer review.
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human MMP12. The exact sequence is proprietary.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

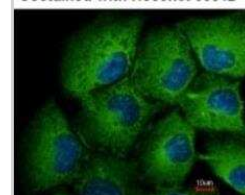
Western Blot: MMP-12 Antibody [NBP1-31225] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with MMP12 antibody [N3C1], Internal diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



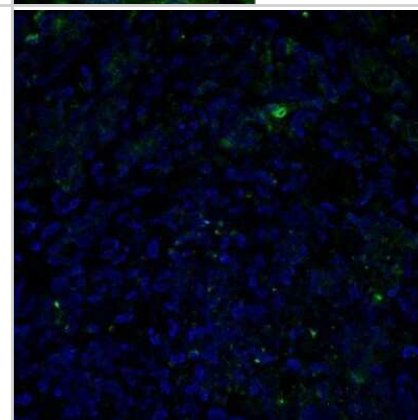
Immunocytochemistry/Immunofluorescence: MMP-12 Antibody [NBP1-31225] - Analysis of methanol-fixed H1299, using antibody at 1:500 dilution.



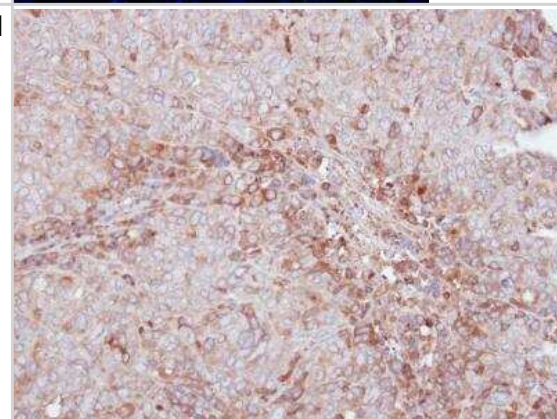
Costained with Hoechst 33342



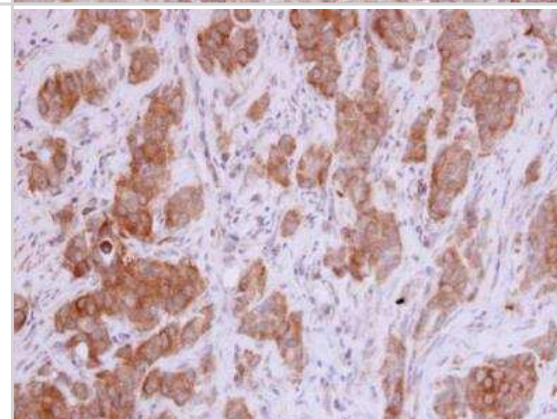
Immunohistochemistry-Paraffin: MMP-12 Antibody [NBP1-31225] - Imaging of Human breast cancer tissue. MMP12 is stained by antibody (green) and nucleus is stained with DAPI (blue). Image submitted by a verified customer review.



Immunohistochemistry-Paraffin: MMP-12 Antibody [NBP1-31225] - DLD1 xenograft, using MMP12 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunohistochemistry-Paraffin: MMP-12 Antibody [NBP1-31225] - Human lung adenocarcinoma. MMP12 antibody [N3C1], Internal diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Huang TL, Chang CR, Chien CY et al. DRP1 contributes to head and neck cancer progression and induces glycolysis through modulated FOXM1/MMP12 axis Molecular Oncology 2022-07-01 [PMID: 35313071] (Western Blot)

Docs J, Kovacs G, Peterfi L. End-stage kidney disease: a never healing wound leading to another never healing wound, renal cancer Journal of Nephrology 2023-07-13 [PMID: 37439962] (Immunohistochemistry)

Janos D VEgstAdiumU vese: modell a progresszlv gyulladAsos mikrokOrnyezet Es tumorgenezis kapcsolata Thesis 2022-01-01

Beres B, Yusenko M, Peterfi L et al. Matrix metalloproteinase 12 is an independent prognostic factor predicting postoperative relapse of conventional renal cell carcinoma - a short report Cellular oncology (Dordrecht) 2021-12-11 [PMID: 34894337] (IF/IHC, Human)

Garrido-Martin EM, Mellows TWP, Clarke J et al. M1hot tumor-associated macrophages boost tissue-resident memory T cells infiltration and survival in human lung cancer J Immunother Cancer 2020-07-01 [PMID: 32699181]

Sarlos DP, Banyai D, Peterfi L et al. Embryonal Origin of Metanephric Adenoma and its Differential Diagnosis Anticancer Res. 2018-12-01 [PMID: 30504374] (IF/IHC, Human)

Damasdi M, Kovacs K, Farkas N et al. Down-regulation of Toll-like Receptor TLR4 Is Associated with HPV DNA Integration in Penile Carcinoma. Anticancer Res. 2017-10-01 [PMID: 28982864] (IF/IHC, Human)





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### **Products Related to NBP1-31225**

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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
210-TA-005	TNF-alpha [Unconjugated]

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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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