

# Product Datasheet

## MMP-13 Antibody (JF0893)

### NBP2-66954

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-66954](http://www.novusbio.com/NBP2-66954)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-66954](http://www.novusbio.com/reviews/destination/NBP2-66954)



**NBP2-66954**

MMP-13 Antibody (JF0893)

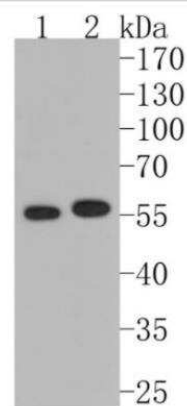
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JF0893
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	4322
Gene Symbol	MMP13
Species	Human, Mouse
Immunogen	Synthetic peptide within human MMP-13 aa 390-430. (SwissProt: P45452 Human)

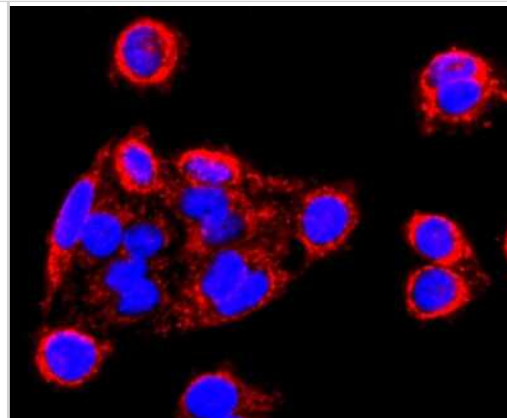
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

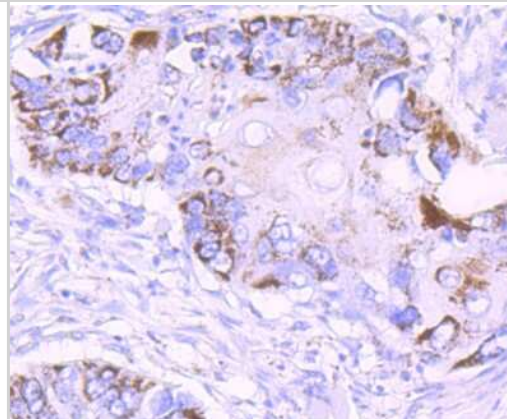
Western Blot: MMP-13 Antibody (JF0893) [NBP2-66954] - Analysis of MMP13 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SW480 cell lysate Lane 2: MCF-7 cell lysate



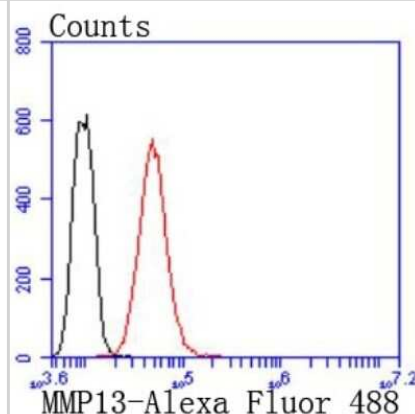
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody (JF0893) [NBP2-66954] - Staining MMP13 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



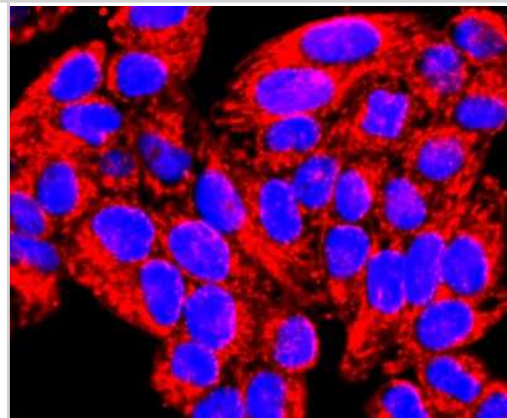
Immunohistochemistry-Paraffin: MMP-13 Antibody (JF0893) [NBP2-66954] - Analysis of paraffin-embedded human lung cancer tissue using anti-MMP13 antibody. Counter stained with hematoxylin.



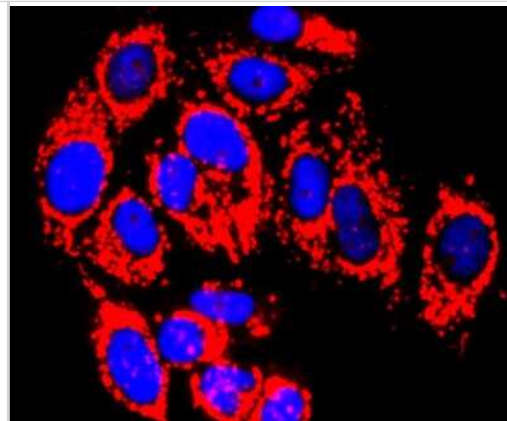
Flow Cytometry: MMP-13 Antibody (JF0893) [NBP2-66954] - Analysis of HeLa cells with MMP13 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



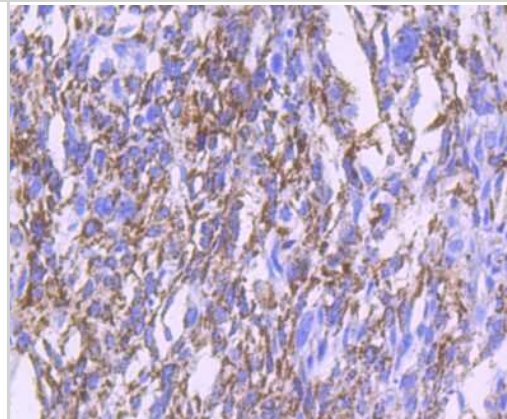
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody (JF0893) [NBP2-66954] - Staining MMP13 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



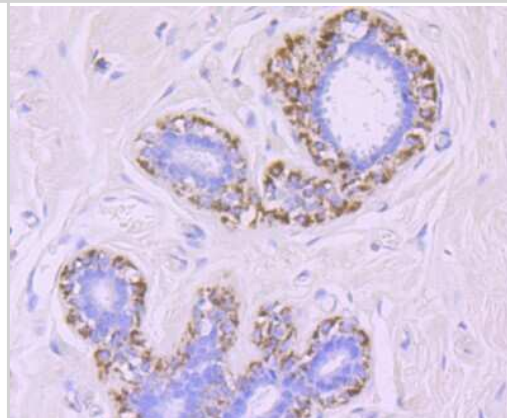
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody (JF0893) [NBP2-66954] - Staining MMP13 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: MMP-13 Antibody (JF0893) [NBP2-66954] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-MMP13 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: MMP-13 Antibody (JF0893) [NBP2-66954] - Analysis of paraffin-embedded human breast tissue using anti-MMP13 antibody. Counter stained with hematoxylin.



## Publications

L Song, X Li, Q Sun, Y Zhao Fxyd5 activates the NF $\kappa$ B pathway and is involved in chondrocytes inflammation and extracellular matrix degradation Molecular Medicine Reports, 2022-02-22;25(4):. 2022-02-22 [PMID: 35191523]



### 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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP2-66954

---

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]

---

### 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-66954](http://www.novusbio.com/reviews/submit/NBP2-66954)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

