

# Product Datasheet

## MMP-13 Antibody (OTI2D8) - Azide and BSA Free NBP2-72740

Unit Size: 100 ug

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

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**NBP2-72740**

MMP-13 Antibody (OTI2D8) - Azide and BSA Free

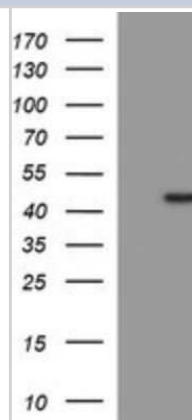
| Product Information         |                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ug                                                                                                                                           |
| Concentration               | LYOPH mg/ml                                                                                                                                      |
| Storage                     | Store at -20C. Avoid freeze-thaw cycles.                                                                                                         |
| Clonality                   | Monoclonal                                                                                                                                       |
| Clone                       | OTI2D8                                                                                                                                           |
| Preservative                | No Preservative                                                                                                                                  |
| Reconstitution Instructions | Reconstitute with PBS (pH 7.3). To use this carrier-free antibody for conjugation experiments, another round of desalting is highly recommended. |
| Isotype                     | IgG2a                                                                                                                                            |
| Purity                      | Immunogen affinity purified                                                                                                                      |
| Buffer                      | Lyophilized from PBS (pH 7.3) with 8% Trehalose                                                                                                  |
| Target Molecular Weight     | 42.2 kDa                                                                                                                                         |

| Product Description |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                | Mouse                                                                                                                                                                                                                                                                                                                                           |
| Gene ID             | 4322                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol         | MMP13                                                                                                                                                                                                                                                                                                                                           |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| Reactivity Notes    | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| Immunogen           | Human recombinant protein fragment corresponding to amino acids 104-471 of human MMP13 (NP_002418) produced in HEK293T cell.                                                                                                                                                                                                                    |

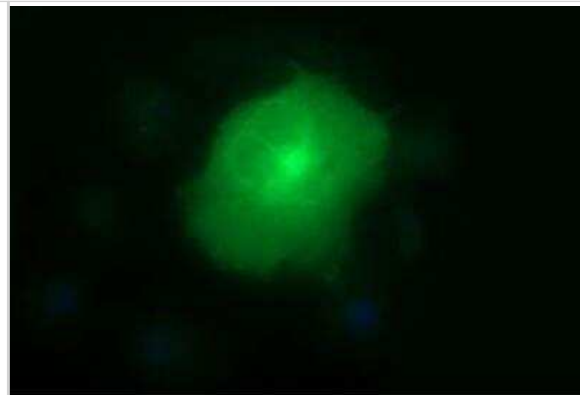
| Product Application Details |                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated                    |
| Recommended Dilutions       | Western Blot 1:4000, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin, Knockdown Validated |

**Images**

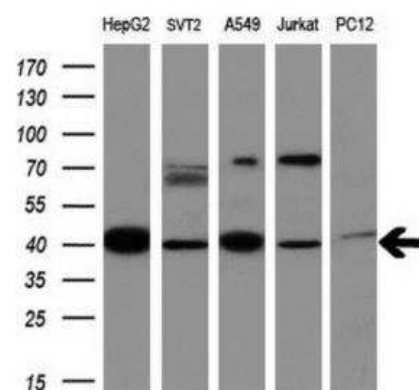
Western Blot: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MMP-13.



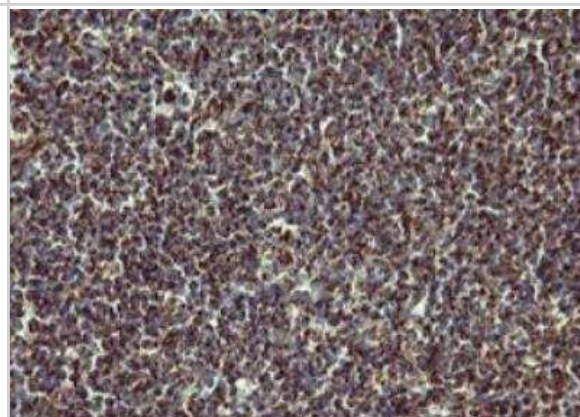
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Anti-MMP13 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MMP13.



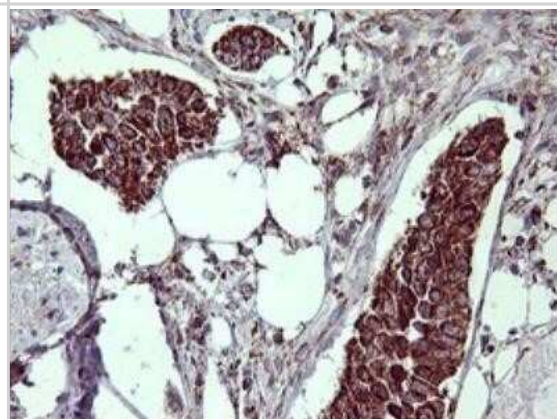
Western Blot: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of extracts (10ug) from 5 different cell lines by using anti-MMP13 monoclonal antibody at 1:200 dilution.



Immunohistochemistry-Paraffin: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Human lymph node tissue within the normal limits using anti-MMP13 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120 degrees C for 3min.

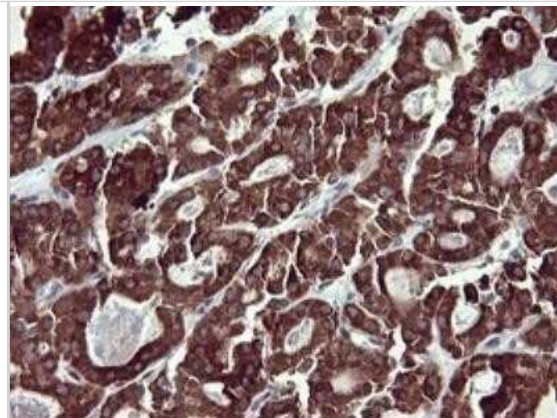


Immunohistochemistry: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of Carcinoma of Human bladder tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)

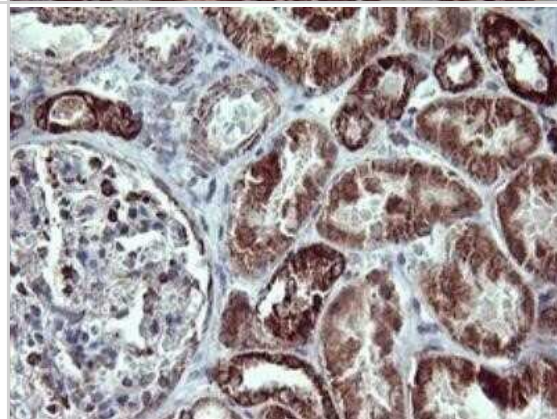




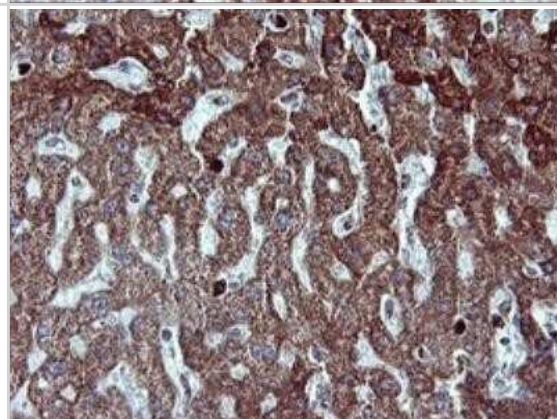
Immunohistochemistry: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of Carcinoma of Human thyroid tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



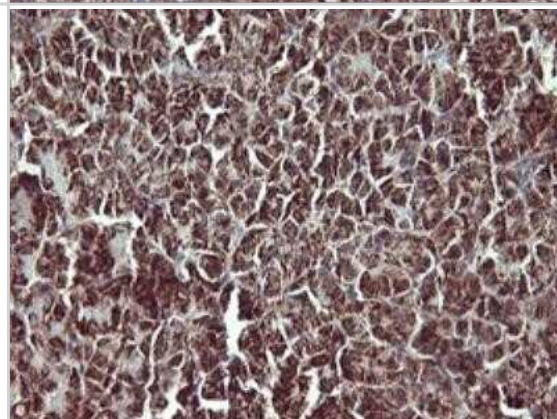
Immunohistochemistry: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of Human Kidney tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunohistochemistry: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of Human liver tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunohistochemistry: MMP-13 Antibody (OTI2D8) - Azide and BSA Free [NBP2-72740] - Analysis of Human pancreas tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)





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### **Products Related to NBP2-72740**

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|            |                                                         |
|------------|---------------------------------------------------------|
| HAF007     | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B    | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96778 | Mouse IgG2a Isotype Control (M2A)                       |
| 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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