

Product Datasheet

MMP-13 Antibody NBP1-45723

Unit Size: 0.1 mg

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

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NBP1-45723

MMP-13 Antibody

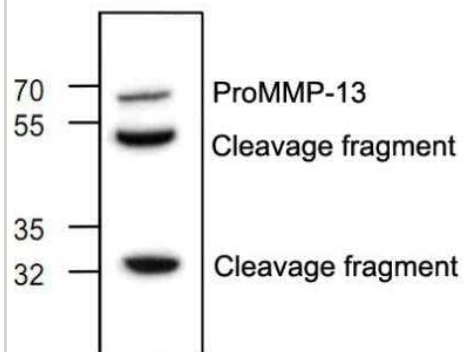
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.03% Proclin 300
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2), 5 mM EDTA, 0.5% BSA, 30% Glycerol

Product Description	
Host	Rabbit
Gene ID	4322
Gene Symbol	MMP13
Species	Human, Mouse, Rat, Bovine, Equine, Rabbit
Specificity/Sensitivity	The antibody recognizes the proenzyme (~60 kDa) and the cleaved fragments (34 kDa and 48 kDa) of MMP-13.
Immunogen	Synthetic peptide surrounding amino acid 454 of rat MMP-13.

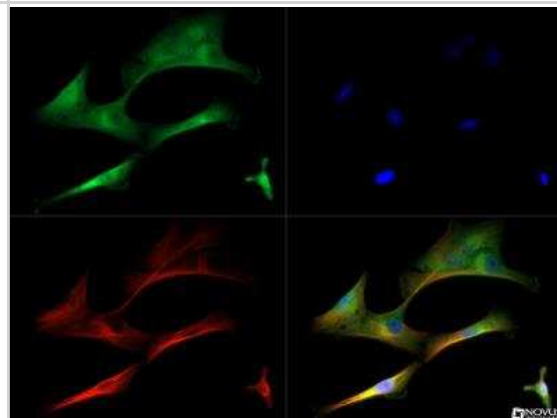
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot, Simple Western, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:10 - 1:500, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Use in Immunohistochemistry-paraffin reported in scientific literature (PMID: 25703139).

Images

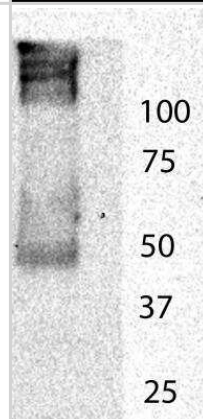
Western Blot: MMP-13 Antibody [NBP1-45723] - Analysis of MMP-13 expression with Jurkat cell lysate.



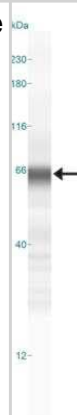
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody [NBP1-45723] - MMP-13 antibody was tested at 1:50 in MDA-MB-231 cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image objective 40X.



Western Blot: MMP-13 Antibody [NBP1-45723] - Analysis of MMP-13 in human full-length recombinant protein using anti-MMP-13 antibody. Image from verified customer review.



Simple Western: MMP-13 Antibody [NBP1-45723] - Simple Western lane view shows a specific band for MMP-13 in 0.5 mg/mL of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Xing W, Kesavan C, Pourteymoor S, Mohan S. Global and Conditional Disruption of the Igf-I Gene in Osteoblasts and/or Chondrocytes Unveils Epiphyseal and Metaphyseal Bone-Specific Effects of IGF-I in Bone Biology (Basel) 2023-09-12 [PMID: 37759627] (IHC-Fr)

Yun HM, Kim B, Kim SH et al. Xanol Promotes Apoptosis and Autophagy and Inhibits Necroptosis and Metastasis via the Inhibition of AKT Signaling in Human Oral Squamous Cell Carcinoma Cells 2023-07-03 [PMID: 37443802] (WB)

Park K, Kwon Y, Jeong Y et al. Thelephoric acid, p-terphenyl, induces bone-forming activities in pre-osteoblasts Journal of Functional Foods 2022-04-01 (WB, Mouse)

Shen, L;Sun, Z;Nie, P;Yuan, R;Cai, Z;Wu, C;Hu, L;Jin, S;Zhou, H;Zhang, X;He, B; Sulindac-derived RXR-alpha modulator attenuates atherosclerotic plaque progression and destabilization in ApoE-/- mice Br. J. Pharmacol. 2019-04-03 [PMID: 30943581] (ICC/IF, Mouse)

Liu W, Xia P, Feng J et al. MicroRNA-132 upregulation promotes matrix degradation in intervertebral disc degeneration Exp. Cell Res. 2017-08-06 [PMID: 28793234] (ICC/IF, Human)

Ma X, Liu Y, Wang Q et al. Tamoxifen induces the development of hernia in mice by activating MMP-2 and MMP-13 expression Biochim. Biophys. Acta. 2015-02-19 [PMID: 25703139] (IHC-P, WB, Mouse)





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Products Related to NBP1-45723

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.

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