

Product Datasheet

MMP-13 Antibody NBP1-45723SS

Unit Size: 0.025 mg

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

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NBP1-45723SS**MMP-13 Antibody**

Product Information	
Unit Size	0.025 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

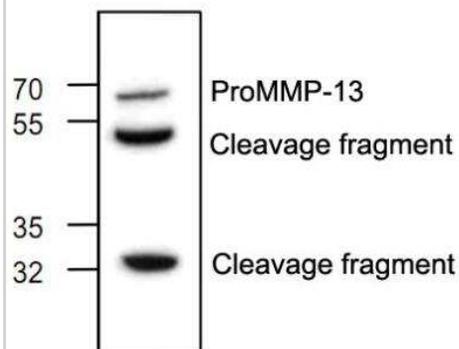
Product Description	
Host	Rabbit
Gene ID	4322
Gene Symbol	MMP13
Species	Human, Mouse, Rat, Bovine, Equine, Rabbit
Specificity/Sensitivity	The antibody recognizes the proenzyme (~60 kDa) and the cleaved fragments (34 kDa and 48 kDa) of MMP-13.
Immunogen	Synthetic peptide surrounding amino acid 454 of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

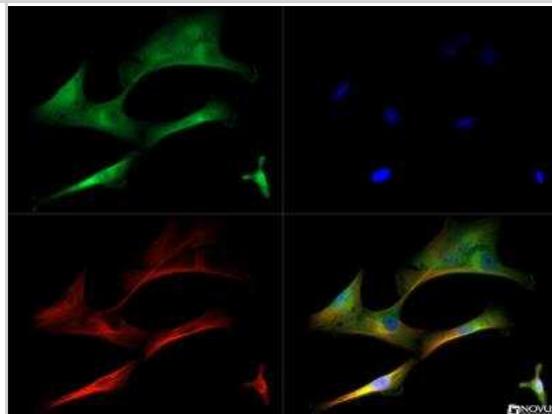


Images

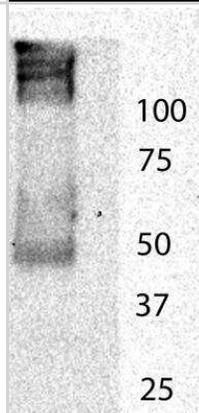
Western Blot: MMP-13 Antibody [NBP1-45723] - Analysis of MMP-13 expression with Jurkat cell lysate.



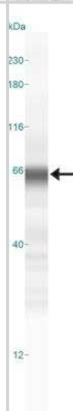
Immunocytochemistry/Immunofluorescence: MMP-13 Antibody [NBP1-45723] - MMP-13 antibody was tested at 1:50 in MDA-MB-231 cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image objective 40X.



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

Hyung-Mun Yun, Hyun Sook Kwon, Joon Yeop Lee, Kyung-Ran Park, Antonio González-Sarrías Vitexicarpin Induces Apoptosis and Inhibits Metastatic Properties via the AKT-PRAS40 Pathway in Human Osteosarcoma International Journal of Molecular Sciences 2024-03-22 [PMID: 38612399]

Ortiz-Sánchez BJ, Juárez-Avelar I, Andrade-Meza A et al. Periodontitis exacerbation during pregnancy in mice: Role of macrophage migration inhibitory factor as a key inductor Journal of periodontal research 2023-11-21 [PMID: 37990413] (IHC, Mouse)

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 NBP1-45723SS

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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