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Anti-MMP2 Rabbit Monoclonal Antibody

Catalog Number: M00286-1

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Overview

Product Name	Anti-MMP2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MMP2 Rabbit Monoclonal Antibody catalog # M00286-1. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal BBA-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08253

Technical Details

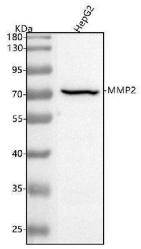
Immunogen	A synthesized peptide derived from human MMP2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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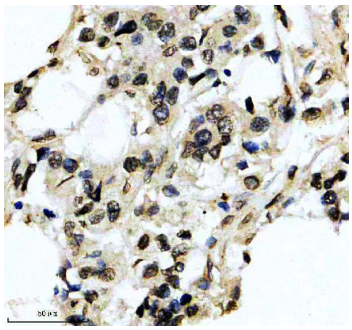
	IHC 1:50-200

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Anti-MMP2 Rabbit Monoclonal Antibody (M00286-1) Images



Western blot analysis of MMP2 using anti-MMP2 antibody (M00286-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MMP2 antigen affinity purified monoclonal antibody (Catalog # M00286-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MMP2 at approximately 95 kDa. The expected band size for MMP2 is at 74 kDa.



IHC analysis of MMP2 using anti-MMP2 antibody (M00286-1). MMP2 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-MMP2 Antibody (M00286-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

28 Publications Citing This Product

1. PubMed ID: 32974191, Gao X,Qiao X,Xing X,Huang J,Qian J,Wang Y,Zhang Y,Zhang X,Li M,Cui J,Yang Y.Matrix Stiffness-Upregulated MicroRNA-17-5p Attenuates the Intervention Effects of Metformin on HCC Invasion and Metastasis by Targeting the PTEN/PI3K/Akt Pathway.Front Oncol.2020 Aug 19;10:1563.doi:10.3389/fonc.2020.01563.PMID:32974191;PMCID:PMC7466473.

2. PubMed ID: 32974191, Gao X,Qiao X,Xing X,Huang J,Qian J,Wang Y,Zhang Y,Zhang X,Li M,Cui J,Yang Y.Matrix Stiffness-Upregulated MicroRNA-17-5p Attenuates the Intervention Effects of Metformin on HCC Invasion and Metastasis by Targeting the PTEN/PI3K/Akt Pathway.Front Oncol.2020

3. PubMed ID: -, Integrated Transcriptomic and Proteomic Analyses of the Interaction Between Chicken Synovial Fibroblasts and Mycoplasma synoviae. X. Jian,Xiao Chunhong,C. Hongyan,Lu Huijun,Yu Haizhong,Y. Jianfen

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