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MMP9

Reactivity: Human Rat

Tested applications:WB IHC ICC FC

Recommended Dilution:WB 1:1000 - 1:2000 IHC 1:50 - 1:100 ICC 1:100 - 1:200 FC 1:500 - 1:1000

Calculated MW:92/82/67kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human MMP9

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

MMP9;CLG4B;GELB;MANDP2;MMP-9;

Catalog #:A0311

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:4318

Isotype: IgG

Swiss Prot:P14780

Purity: Affinity purification

For research use only.

Background:

The matrix metalloproteinases (MMPs) are a family of proteases that target many extracellular proteins including other proteases, growth factors, cell surface receptors and adhesion molecules (1). Among the family members, MMP-2, MMP-3, MMP-7 and MMP9 have been characterized as important factors for normal tissue remodeling during embryonic development, wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis (2-4). MMP activity correlates with cancer development (2). One mechanism of MMP regulation is transcriptional (5). Once synthesized, MMP exists as a latent proenzyme. Maximum MMP activity requires proteolytic cleavage to generate active MMPs by releasing the inhibitory propeptide domain from the full length protein (5).

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