

## MMP2

**Reactivity:**Human Mouse Rat

**Tested applications:**IHC

**Recommended Dilution:**IHC 1:50 - 1:100

**Calculated MW:**72kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human MMP2

**Storage Buffer:**

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

**Synonym:**

MMP2;CLG4;CLG4A;MMP-II;MONA;TBE-1 ;

**Catalog #:**A0317

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4313

**Isotype:**IgG

**Swiss Prot:**P08253

**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 MMP-9 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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