

MMP-9 polyclonal antibody

Catalog: BS90874

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The matrix metalloproteinases (MMPs) are a family of peptidase pathway responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin MMP-9 (also designated 92 kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also specified interstitial collagenase, fibroblast collagenase or Collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption. MMP-1 is downregulated by p53, and abnormality of p53 expression can contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

100 kDa

Swiss-Prot:

P14780(Human) P50282(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

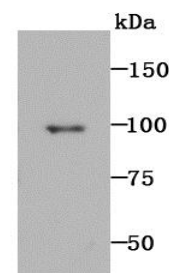
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

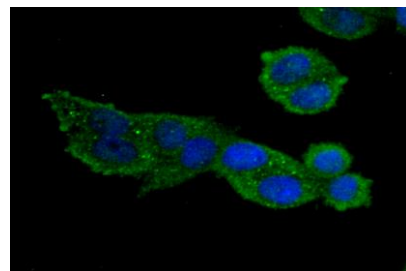
Specificity:

MMP-9 polyclonal antibody detects endogenous levels of MMP-9 protein.

DATA:



Western blot analysis of MMP9 on rat spleen tissue lysate using anti-MMP9 antibody at 1/1,000 dilution.



ICC staining MMP9 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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