

MMP-3 polyclonal antibody

Catalog: BS90872

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes 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 B (SEB). MMP catalysis requires both calcium and zinc. MMP-3, MMP-10 and MMP-11 (also designated stromelysin-1, -2 and -3 respectively) activate procollagenase. MMP-3 activation of procollagenase can occur via two pathways. Direct activation by MMP-3 is slow and activation by MMP-3 in conjunction with tissue or plasma proteinases is rapid. MMP-10 is expressed in small intestine, and at lower levels in lung and heart. MMP-11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.

Product:

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

Molecular Weight:

Swiss-Prot:

P08254(Human) P28862(Mouse) P03957(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

Storage&Stability:

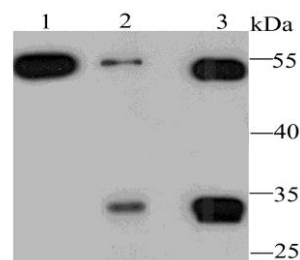
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

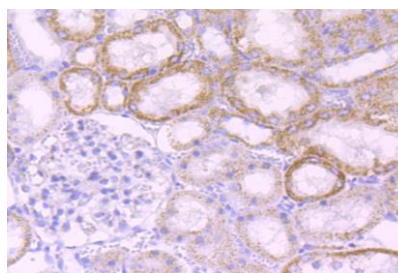
Specificity:

MMP-3 polyclonal antibody detects endogenous levels of MMP-3 protein.

DATA:



Western blot analysis of MMP3 on different lysates using anti-MMP3 antibody at 1/1,000 dilution. Positive control: Lane 1: Human liver Lane 2: Mouse lung Lane 3: Rat liver



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-MMP3 antibody. Counter stained with hematoxylin.

Note:

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

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