

MMP-1 polyclonal antibody

Catalog: BS90866

Host: Rabbit

Reactivity: Human

BackGround:

MMP-1 has an archetypal structure consisting of a pre-domain, a pro-domain, a catalytic domain, a linker region and a hemopexin-like domain. Two main nomenclatures for the primary structure are currently in use, the original one from which the first amino-acid starts with the signalling peptide and a second one where the first amino-acid starts counting from the prodomain (proenzyme nomenclature). MMPs are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Specifically, MMP-1 breaks down the interstitial collagens, types I, II, and III. Mechanical force may increase the expression of MMP1 in human periodontal ligament cells.

Product:

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

Molecular Weight:

54 kDa

Swiss-Prot:

P03956

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:1,000

ICC:1:200

IHC:1:200

Storage&Stability:

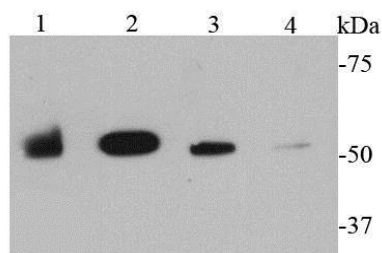
Store at +4 °C after thawing. Aliquot store at -20 °C or

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

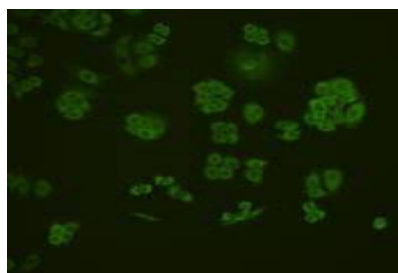
Specificity:

MMP-1 polyclonal antibody detects endogenous levels of MMP-1 protein.

DATA:



Western blot analysis of MMP1 on different cell lysates using anti-MMP1 antibody at 1/1000 dilution. Positive control: Lane 1: SKBR3
Lane 2: Raji Lane 3: A431 Lane 4: A549



ICC staining MMP1 in MCF-7 cells (green). 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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