

MMP-13 (L22) polyclonal antibody

Catalog: BS1231

Host: Rabbit

Reactivity: Human

BackGround:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibroPVRL1, 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-13 (also designated collagenase-3) is produced by breast carcinomas and degrades collagen types I, II and III. MMP-13 has wide substrate specificity, and its physiologic expression is limited to situations in which rapid and effective remodeling of collagenous ECM takes place, such as fetal bone development and adult bone remodeling.

Product:

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

Molecular Weight:

~ 55, 40 kDa

Swiss-Prot:

P45452

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

MMP-13 (L22) polyclonal antibody detects endogenous levels of ~55 kDa latent or the ~40 kDa active forms of MMP-13 protein.

DATA:

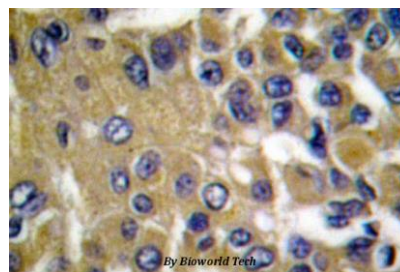


Western blot (WB) analysis of MMP-13 (L22) pAb at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:H1792 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of MMP-13 (L22) pAb in paraffin-embedded human breast carcinoma tissue.

Note:

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

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