

Cleaved-MMP-15 (Y132) polyclonal antibody

Catalog: BCP00523

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, 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-9 (also designated 92 kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also designated 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 may 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:

~ 61, 80 kDa

Swiss-Prot:

P51511

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

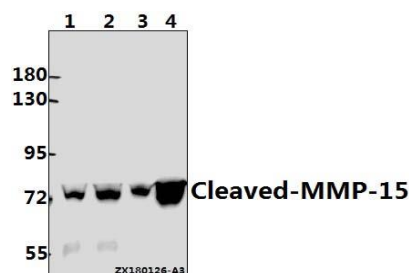
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Cleaved-MMP-15 (Y132) polyclonal antibody detects endogenous levels of Cleaved-MMP-15 (60 kDa) protein.

DATA:



Western blot (WB) analysis of Cleaved-MMP-15 (Y132) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:SGC7901 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:HEK293T whole cell lysate(40ug)

Note:

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