

MMP13 polyclonal antibody

Catalog: BS79990

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. Mutations in this gene are associated with metaphyseal anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11.

Product:

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

Molecular Weight:

~ 53, 34 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, 1:100 - 1:200 | IF/ICC, 1:100 - 1:500

Storage&Stability:

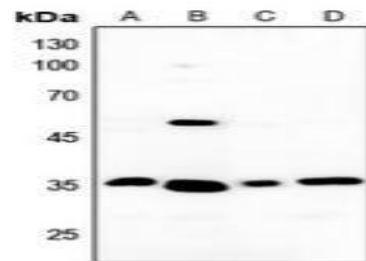
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

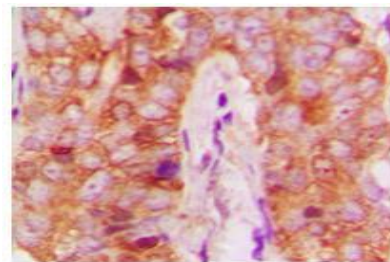
MMP13 polyclonal antibody detects endogenous levels of

MMP13 protein.

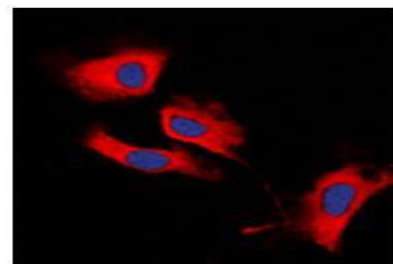
DATA:



Western blot analysis of MMP13 expression in HEK293T (A), HeLa (B), mouse lung (C), rat lung (D) whole cell lysates.



Immunohistochemical analysis of MMP13 staining in human breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of MMP13 staining in HeLa cells.

Note:

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

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