

Product Information

Anti-MMP13
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21124**
Formerly listed as GenWay Catalog Number 15-288-21124,
Collagenase 3 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Matrix metalloproteinase 13 preproprotein, EC 3.4.24.-; Matrix metalloproteinase-13; MMP-13

Product Description

Degrades collagen type I. Does not act on gelatin or casein. Could have a role in tumoral process. Proteins of the matrix metalloproteinase (MMP) 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The protein encoded by this gene 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. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

NCBI Accession number: NP_002418.1

Swiss Prot Accession number: P45452

Gene Information: Human .. MMP13 (4322)

Immunogen: Recombinant protein Matrix metalloproteinase 13 preproprotein

Immunogen Sequence: GI # 4505209, sequence 40 - 122

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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