

MMP-2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250752

Unit: 0.1 mg

Description:

Matrix metalloproteinase protein family (MMP) is involved in the breakdown of extracellular matrix in normal physiological processes such as embryonic development, reproduction, and tissue remodeling, as well as in diseases such as arthritis and metastasis. Most MMPs are secreted as inactive precursors which are activated upon cleavage by extracellular proteinases. MMP-2 is an enzyme that degrades gelatin type I and collagen types IV, V, VII and X, and KiSS1. MMP-2 is also a ligand for the integrin alpha-V/beta-3. Defects in MMP-2 are the cause of multicentric osteolysis nodulosis and arthropathy (MONA), and Winchester syndrome, both characterized by excessive destruction and resorption of bones.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, P, R, Sh

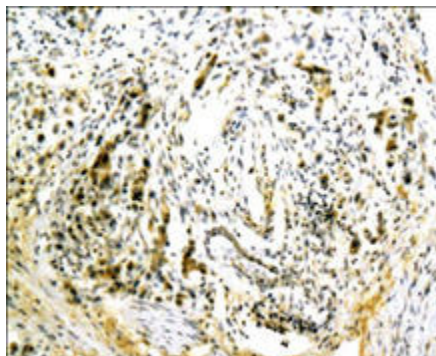
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: 72 kDa type IV collagenase; 72 kDa gelatinase; Matrix metalloproteinase-2; MMP-2; Gelatinase A; TBE-1; MMP2; CLG4A

Accession No.: P08253

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MMP-2.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



MMP-2 staining in human stomach cancer. Paraffin-embedded human stomach cancer is stained with MMP-2 Antibody (Cat. No. 250752) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Oliveira O et al. 2013. International Journal of Experimental Pathology. doi: 10.1111/iep.12033. PMID# 23786352 [2] Riau A et al. PLoS One. 2011. 6(2): e14687. PMID# 21359202. [3] Li X et al. 2011. Medical Oncology. 29(2):714-720. PMID# 214319960. [4] Seet L et al. PLoS One. 2010. 5(2): e9415. PMID# 20195533.

For research use only, not for diagnostic or therapeutic procedures.