



Rabbit polyclonal antibody to human Matrix metalloproteinase-2 (643-660): Affinity purified

Catalogue No.:	R-1089-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. The matrix metalloproteinases (MMPs) are a large family of zinc endopeptidases. All MMPs are synthesized as inactive proenzymes. The activation of these proenzymes is a critical step that leads to degradation of extracellular matrix components such as fibronectin and collagen type III. MMP2 is activated by other MMPs such as MMP14 and MMP16. MMP2 is known to degrade collagen types IV, V, VII and X as well as gelatin type I.
Replaced by:	R-1735-100
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A synthetic peptide corresponding to a region (643-660) from human Matrix metalloproteinase-2. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	72 kDa type IV collagenase; EC 3.4.24.24; 72 kDa gelatinase; Matrix metalloproteinase-2; MMP-2; Gelatinase A; TBE-1; MMP2; CLG4A;
Accession:	P08253 MMP2_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 1.0 µg/ml is recommended for WB. Human MMP2 (precursor) has a predicted length of 660 residues and MW of 74 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY