

bs-0413R**[Primary Antibody]****MMP3 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

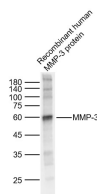
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human
GeneID: 4314	SWISS: P08254	
Target: MMP3		
Immunogen: KLH conjugated synthetic peptide derived from human MMP3: 401-477/477.		Predicted MW.: 42/52 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted ,Extracellular
Concentration: 1mg/ml		Location: matrix
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

Sample: Lane 1: Recombinant human MMP-3 protein (50ng) (bs-43017P) Primary: Anti-MMP-3 (bs-0413R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52kDa Observed band size: 60kDa

— SELECTED CITATIONS —

- **[IF=20.722]** Fanqi Hu. et al. Identification of inflammatory regulation roles of thalidomide/ruxolitinib in nucleus pulposus and construction of polyelectrolyte nanocomplexes-impregnated injectable hydrogels for synergistic intervertebral disk degeneration treatment. Nano Today. 2022 Jun;44:101462 WB ;Human. 10.1016/j.nantod.2022.101462
- **[IF=8]** Yuanyuan Wang. et al. Combined ROS Sensitive Folate Receptor Targeted Micellar Formulations of Curcumin Effective Against Rheumatoid Arthritis in Rat Model. INT J NANOMED. 2024 五月 13 IF ;Rat. 38766660
- **[IF=7.097]** Liting Cheng. et al. Bioresponsive micro-to-nano albumin-based systems for targeted drug delivery against complex fungal infections. Acta Pharm Sin B. 2021 May; IF ;Mouse. 10.1016/j.apsb.2021.04.020

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=6.832]** Wu, Haibin. et al. Dextran sulfate prevents excess aggregation of human pluripotent stem cells in 3D culture by inhibiting ICAM1 expression coupled with down-regulating E-cadherin through activating the Wnt signaling pathway. STEM CELL RES THER. 2022 Dec;13(1):1-20 WB ;Human. 35619172
- **[IF=4.545]** Kai Zhao. et al. Rhizoma drynariae total flavonoids inhibit the inflammatory response and matrix degeneration via MAPK pathway in a rat degenerative cervical intervertebral disc model. Biomed Pharmacother. 2021 Jun;138:111466 IHC ;Rat. 33740525