

bsm-54152R**[Primary Antibody]****BioSS**
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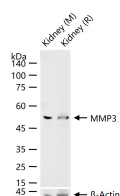
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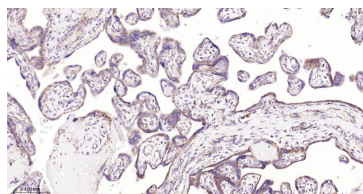
400-901-9800

MMP3 Recombinant Rabbit mAb**— DATASHEET —**

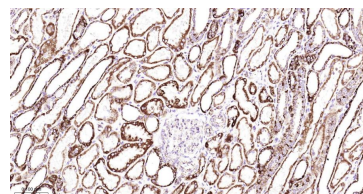
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 54 kDa Observed MW.: 54 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Recombinant	CloneNo.: 8B6	
GeneID: 4314	SWISS: P08254	
Target: MMP3		
Immunogen: A synthesized peptide derived from human MMP3: 443-477.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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 —

25 ug total protein per lane of various lysates (see on figure) probed with MMP3 monoclonal antibody, unconjugated (bsm-54152R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MMP3 Monoclonal Antibody, Unconjugated (bsm-54152R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MMP3 Monoclonal Antibody, Unconjugated (bsm-54152R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=4.2]** Zhaobai Lao. et al. The Onset of Systemic Lupus Erythematosus Triggers Nucleus Pulposus Cell Pyroptosis to Exacerbate Intervertebral Disc Degeneration. J INFLAMM RES. 2024 Oct 24 WB ;Rat. 39473981
- **[IF=2.8]** Yan Hui. et al. miR-376c-3p mediates icariin' s anti-osteoclastogenic effect by targeting Mmp3. J ORTHOP SURG RES. 2026 Dec;21(1):80 WB ;Rat. 41484919
- **[IF=2.6]** Han Wang. et al. Ganoderma lucidum extract reduces skin aging by reducing mitochondrial stress and controlling mitochondrial numbers. FITOTERAPIA. 2025 May;;106627 IHC ;Mouse. 40381851

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