

Anti-MMP3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

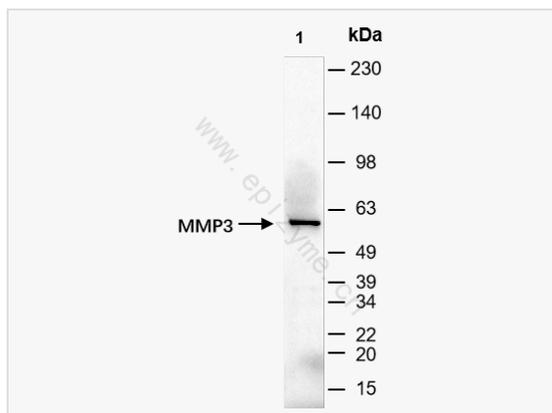
Catalog # R015096

Product Information

| | |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Mouse |
| Dilution | WB 1:1,000~1:5,000; IHC-P 1:200~1:1,000; IF 1:200~1:1,000 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 69B98D91 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant protein of human MMP3 |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-MMP3 Rabbit mAb [69B98D91] is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|-------------------|--|
| Synonyms | CHDS6, Matrix metalloproteinase 3, Matrix metalloproteinase 3 preproprotein, Matrix metalloproteinase-3, MGC126102, MGC126103, MGC126104, MMP 3, MMP-3, MMP3, MMP3_HUMAN, Proteoglycanase, SL-1, SL1, STMY, STMY1, STR1, Stromelisin 1, Stromelysin 1, Stromelysin 1 progelatinase, Stromelysin-1, Transin 1, Transin-1. |
| Calculated MW | Calculated MW: 54 kDa; Observed MW: 54 kDa |
| Uniprot ID | P08254 |
| Gene ID | 4314 |
| 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] |
| Cellular Location | Secreted > extracellular space > extracellular matrix. |



Western Blot - Anti-MMP3 Rabbit mAb [69B98D91]

All lanes: R015096 at 1:2,000 dilution

Lane 1: Mouse liver whole tissue lysates

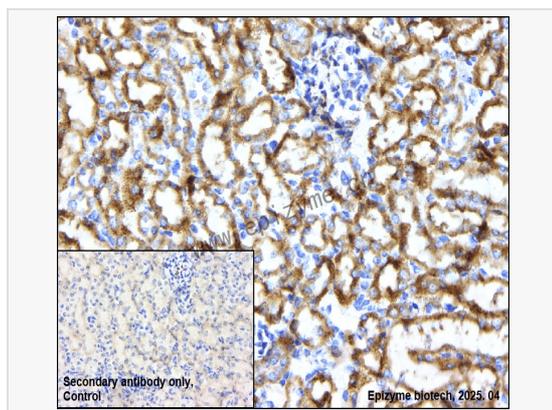
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-MMP3 Rabbit mAb [69B98D91]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015096 at 1:600 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.