SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-MMP10 antibody

**Catalog Number: SL23106R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

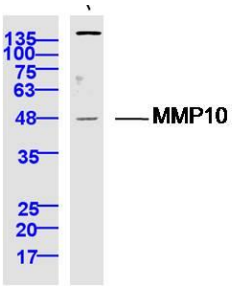
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | MMP10 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human MMP10: 261-360/476 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human(predicted:Mouse) |
| **Predicted MW.:** | 43kDa |
| **Subcellular Location:** | Extracellular matrix Secretory protein |
| **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. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.<br>**Function:** Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.<br>**Subcellular Location:** Secreted, extracellular space, extracellular matrix (Probable).<br>**Similarity:** Belongs to the peptidase M10A family.<br>Contains 4 hemopexin-like domains.<br>**Database links:** |

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

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| | **Entrez Gene:** 4319 Human<br>**Entrez Gene:** 17384 Mouse<br>**Entrez Gene:** 117061 Rat<br>Omim: 185260 Human<br>**SwissProt:** P09238 Human<br>**SwissProt:** O55123 Mouse<br>**SwissProt:** P07152 Rat<br>**Unigene:** 2258 Human<br>**Unigene:** 14126 Mouse<br>**Unigene:** 9946 Rat<br>Synthesis and Degradation（Synthesis and Degradation）<br>MMP10 is mainly used in research on malignant Tumours such as breast cancer, gastrointestinal cancer, ovarian cancer, etc., and their metastasis and invasion. |

## [ VALIDATION IMAGES ]




Sample: A431 Cell (Human) Lysate at 40 ug
Primary: Anti-MMP10 (SL23106R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kD
Observed band size: 47 kD

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