bs-0423R **[Primary Antibody]**

MMP7 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4316 **SWISS:** P09237

Target: MMP7

Immunogen: KLH conjugated synthetic peptide derived from human MMP7: 151-250/269.

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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

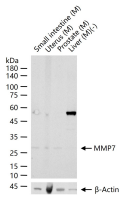
Applications: **WB** (1:500-2000)
IHC-P (1:50-200)
IHC-F (1:50-200)
IF (1:50-200)
ELISA (1:2000-10000)

Reactivity: Human, Mouse (predicted: Rat)

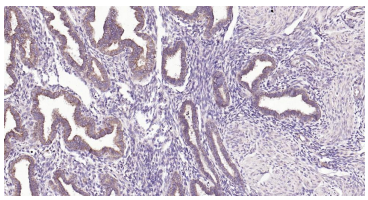
Predicted MW.: 30 kDa

Subcellular Location: Secreted ,Extracellular matrix

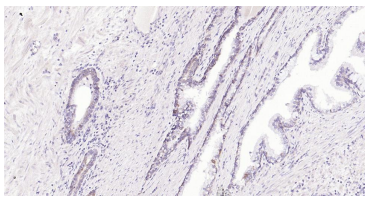
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with MMP7 polyclonal antibody, unconjugated (bs-0423R) 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 Endometrium; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MMP7 Polyclonal Antibody, Unconjugated (bs-0423R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MMP7 Polyclonal Antibody, Unconjugated (bs-0423R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=9.075]** Li, Jun. et al. Immunoproteasome inhibition prevents progression of castration-resistant prostate cancer. BRIT J CANCER. 2023 Jan;:1-14 IHC,IF ;Mouse,Human. 36681728
- **[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=4.848]** Wang Chengqin. et al. Silencing of KIF3B Suppresses Breast Cancer Progression by Regulating EMT and

Wnt/β-Catenin Signaling. Front Oncol. 2021 Jan;10:3063 WB,IHC ;Human. 33542902

- **[IF=4.17]** Madka, Venkateshwar, et al. "TP53 modulating agent, CP-31398 enhances antitumor effects of ODC inhibitor in mouse model of urinary bladder transitional cell carcinoma." American Journal of Cancer Research 5.10 (2015): 3030. WB ;="Mouse". 26693057
- **[IF=4.162]** Wenwen Chen. et al. Identification of Active Compounds and Mechanism of Huangtu Decoction for the Treatment of Ulcerative Colitis by Network Pharmacology Combined with Experimental Verification. Drug Des Dev Ther. 2021; 15: 4125–4140 IHC ;mouse. 34616145