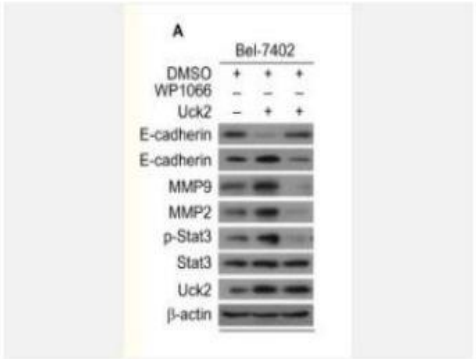
PRODUCT DATA SHEET

MMP-7 Polyclonal Antibody

Catalog No.	IPB0157
Reactivity	Human; Mouse; Rat; Monkey
Applications	WB; IHC-p; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:40000
Gene Name	MMP7
Protein Name	Matrilysin
Human Gene Id	4316
Swiss-Prot	P09237
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Secreted, extracellular space, extracellular matrix
MW	29677
Background	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs) Proteins in this 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 The encoded preproprotein is proteolytically processed to generate the mature protease This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin 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 on chromosome 11 This gene exhibits elevated expression levels in multiple human cancers

Products Images:



Zhou, Qiming, et al. "Uridine-cytidine kinase 2 promotes metastasis of hepatocellular carcinoma cells via the Stat3 pathway." Cancer management and research 10 (2018): 6339.

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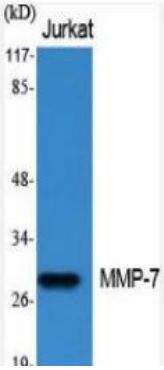
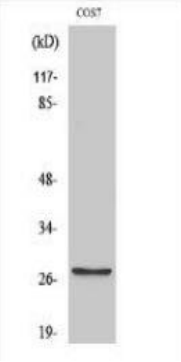
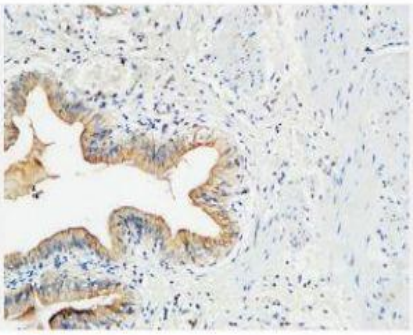


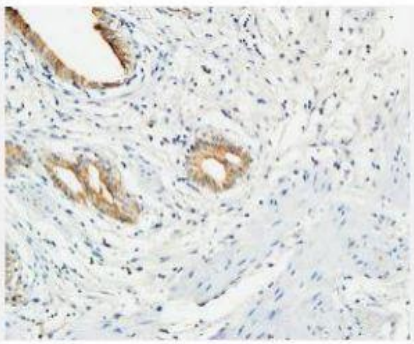
Western Blot analysis of various cells using MMP-7 Polyclonal Antibody diluted at 1:500



Western Blot analysis of COS7 cells using MMP-7 Polyclonal Antibody diluted at 1:500



Immunohistochemical analysis of paraffin-embedded Human gallbladder. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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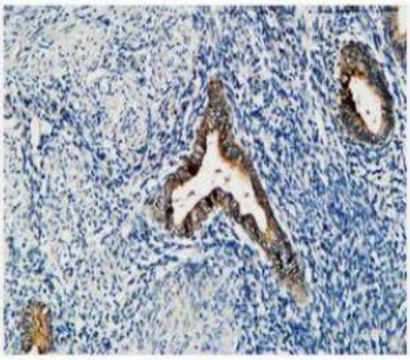
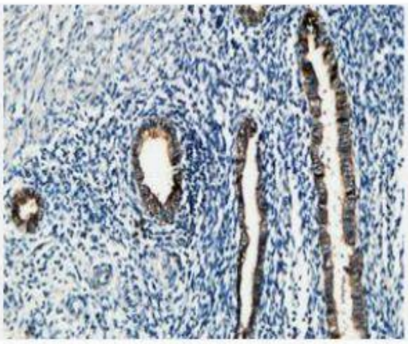


Immunohistochemical analysis of paraffin-embedded Human uterus. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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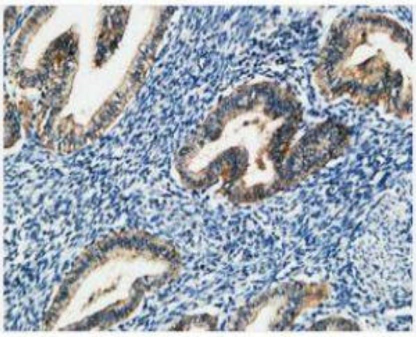

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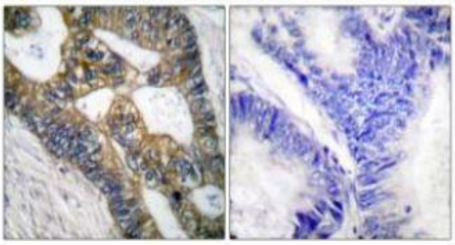
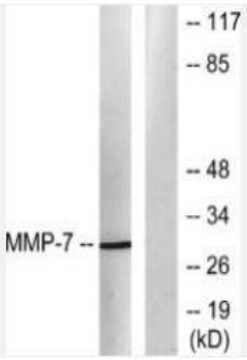
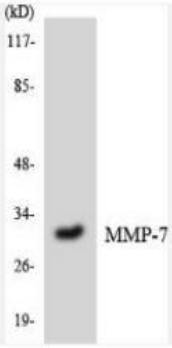


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MMP-7 Antibody. The picture on the right is blocked with the synthesized peptide.

PRODUCT DATA SHEET



Western blot analysis of lysates from COS7 cells, using MMP-7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using MMP-7 antibody.