Data Sheet (Cat.No.TMAB-01158)

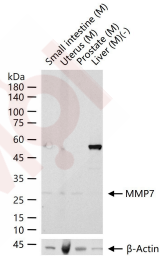
Anti-MMP-7 Polyclonal Antibody

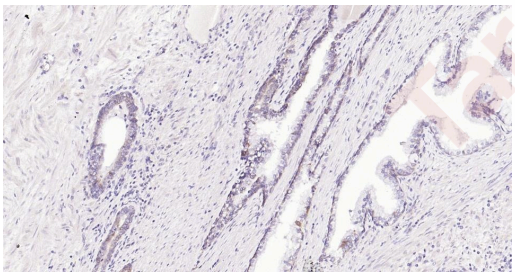
Product Details

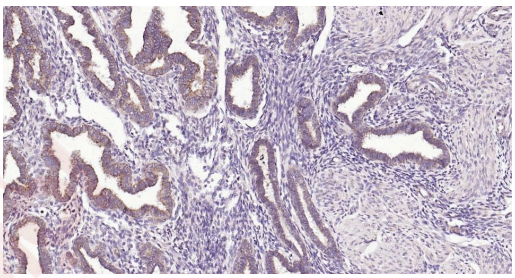
Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Monkey)
Molecular Weight:	Theoretical: 30 kDa. Actual: 28 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. 25 μg total protein per Lane of various lysates probed with MMP7 polyclonal antibody, unconjugated (TMAB-01158) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min. 2. 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 (TMAB-01158) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining. 3. 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 (TMAB-01158) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.







Application:	ELISA,IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200; ELISA: 1:2000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MMP7
Antigen Species:	Human
Gene ID:	4316
Uniprot ID:	P09237
Synonyms:	Matrin;Pump-1 protease;Uterine metalloproteinase;Matrilysin;MMP7;MPSL1;Matrix metalloproteinase-7 (MMP-7);PUMP1
Biology Area:	MMPs,MMPs,MMPs,MMP,MMPs,MMP

Research 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]

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