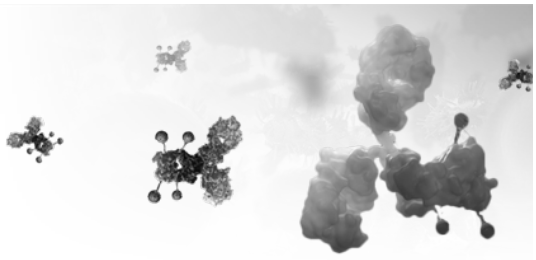

Anti-MMP7 (aa 95-204) polyclonal antibody (DPAB-DC1934)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 MMPs 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.
Immunogen	MMP7 (NP_002414, 95 a.a. ~ 204 a.a) partial recombinant protein with GST tag. The sequence is YSLFPNSPKWTSKVVTYRIVSYTRDLPHITVDRLVSKALNMWGKEIPLHFRKVVWGTADI MIGFARGAHGDSYPFDGPGNTLAHAFAPGTGLGGDAHFDEDERWTDGSSL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	MMP7 matrix metallopeptidase 7 (matrilysin, uterine) [Homo sapiens (human)]
Official Symbol	MMP7
Synonyms	MMP7; matrix metallopeptidase 7 (matrilysin, uterine); MMP-7; MPSL1; PUMP-1; matrilysin; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine);
Entrez Gene ID	4316
Protein Refseq	NP_002414
UniProt ID	P09237
Chromosome Location	11q21-q22
Pathway	AGE/RAGE pathway; Alpha6-Beta4 Integrin Signaling Pathway; Collagen degradation; Degradation of the extracellular matrix
Function	metalloendopeptidase activity; zinc ion binding;

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