

MMP-7 Antibody HRP Conjugated

Catalog No: #C00266H

Package Size: #C00266H 100ul

Description

Product Name	MMP-7 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 165-210 264 derived from mouse MMP7
Conjugates	HRP
Target Name	MMP-7
Other Names	Matrilysin; Matrilysin uterine; Matrin; Matrix Metalloproteinase 7; MMP 7; MMP7; MPSL1; PUMP 1; Pump 1 protease; PUMP1; Uterine Matrilysin; Uterine metalloproteinase.
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IHC-P=1:50-200 IHC-F=1:50-200

Background

Matrix metalloproteinase-7 (MMP-7) also known as matrilysin and PUMP (EC 3.4.24.23) cleaves a number of substrates including collagen types IV and X, elastin, fibronectin, gelatin, laminin and proteoglycans. MMP-7 is closely related to the stromelysin family members but is encoded by a different gene. MMP-7 is the smallest of all the MMPs consisting of a pro-peptide domain and a catalytic domain. It lacks the hemopexin-like domain common to other members of the MMPs. MMP-7 is secreted as a 28kD proenzyme and can be activated in vitro by organomercurials and trypsin and in vivo by MMP-3 to a 18kD active MMP-7 enzyme. Once activated, MMP-7 can activate pro-MMP-1 and pro-MMP-9 but not pro-MMP-2. MMP-7 is widely expressed having been reported in elevated levels in cycling endometrium as well as in colorectal cancers and adenomas, hepatocellular carcinomas, rectal carcinomas, and approximately 50% of gliomas.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.