

MMP7 Polyclonal Antibody

Catalog number: 10374-2-AP

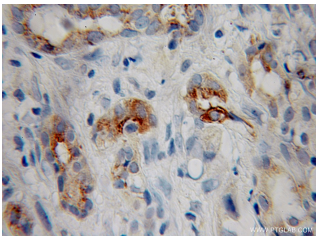
Size: 55 µg/150 µl

Source: Rabbit

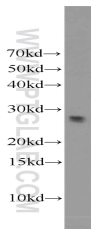
Isotype: IgG

Synonyms:

MMP7; Matrilysin, Matrin,
Matrix metalloproteinase 7,
MMP 7, MMP7, MPL1, PUMP
1, Pump 1 protease, PUMP1,
Uterine metalloproteinase



Immunohistochemical of paraffin-embedded human pancreas cancer using 10374-2-AP (MMP7 antibody) at dilution of 1:100 (under 10x lens)



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10374-2-AP (MMP7 antibody) at dilution of 1:800

Background

Matrix metalloproteinase-7 (MMP-7)/ matrilysin is a member of the MMP family, but is structurally different from the other MMPs by virtue of the absence of a conserved COOH-terminal protein domain. MMPs 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 cancer metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP-7 degrades proteoglycans, fibronectin, elastin and casein, and is involved in wound healing, tumor progression, pulmonary fibrosis, and development of choroidal neovascularization in age-related macular degeneration. The expression of MMP-7 is increased in most tumors. The gene encoding MMP-7 is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	Dot blotting, IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated MMP7 MW:	29 kDa
Observed MMP7 MW:	28-30 kDa
Positive WB detected in	NIH/3T3 cells, COLO 320 cells, human placenta tissue, mouse lung tissue
Positive IHC detected in	Human pancreas cancer tissue, human stomach tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0550
GenBank accession number:	BC003635
Gene ID (NCBI):	4316
Full name:	Matrix metalloproteinase 7 (matrilysin, uterine)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.