

For Research Use Only

MMP7 Recombinant monoclonal antibody

Catalog Number: 87552-1-RR



Basic Information

Catalog Number: 87552-1-RR	GenBank Accession Number: BC003635	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4316	CloneNo.: 252985B7
Source: Rabbit	UNIPROT ID: P09237	Recommended Dilutions: WB: 1:1000-1:8000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: matrix metalloproteinase 7 (matrilysin, uterine)	
Immunogen Catalog Number: AG0550	Calculated MW: 29 kDa	
	Observed MW: 27-30 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells, SKOV-3 cells, HT-29 cells

IHC : human colon tissue,

Background Information

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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

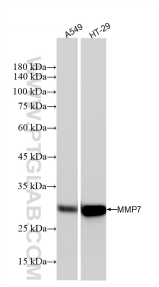
For technical support and original validation data for this product please contact:

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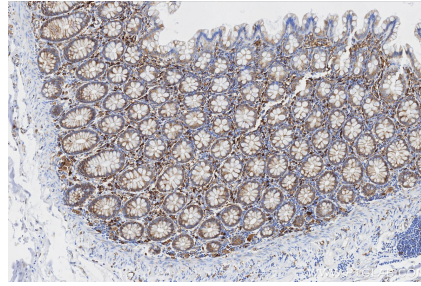
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87552-1-RR (MMP7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87552-1-RR (MMP7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87552-1-RR (MMP7 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).