

For Research Use Only

MMP7 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87552-1-PBS



Basic Information

Catalog Number: 87552-1-PBS	GenBank Accession Number: BC003635	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4316	CloneNo.: 252985B7
Source: Rabbit	UNIPROT ID: P09237	
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, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS only, pH7.3

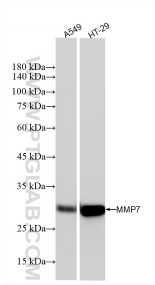
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

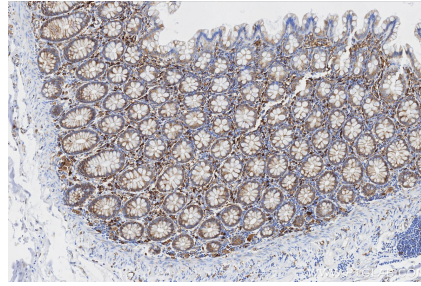
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 87552-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87552-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 87552-1-PBS in a different storage buffer formulation.