For Research Use Only

MMP7 Polyclonal antibody Catalog Number:10374-2-AP Featured Product





Basic Information	Catalog Number:GenBank Accession Number:10374-2-APBC003635		ession Number:	Purification Method: Antigen affinity purification		
	Size: 600 μ g/ml	Genel D (NCBI 4316	GeneID (NCBI): 4316 UNIPROT ID: P09237		Recommended Dilutions: WB 1:1000-1:4000	
	Source: Rabbit	UNIPROT ID: P09237				
	Isotype: IgG Immunogen Catalog Number: AG0550	Full Name: matrix metallopeptidase 7 (matrilysin, uterine)		IF/ICC 1:200-1:800		
		Calculated M 29 kDa	Calculated MW: 29 kDa			
		Observed MW 28-30 kDa	<u>:</u>			
Applications	Tested Applications: Positive WB.IHC.IF/ICC.IF-P.ELISA			Controls:		
	Cited Applications:	WB : A549 o NIH/3T3 ce	WB : A549 cells, human placenta tissue, SKOV-3 cells, NIH/3T3 cells, COLO 320 cells, PC-3 cells			
	WB, IHC, IF IHC : hu		IHC : huma	nan pancreas cancer tissue, human prostate		
	human, mouse sto			:er tissue, human colon cancer tissue, human nach cancer tissue		
	Cited Species: IF-P : hun		IF-P : huma	an pancreas cancer tissue,		
	Note-IHC: suggested antigen retrieval with			-3 cells,		
	TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0					
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. This antibody can only recognize the full-length of MMP7.					
Notable Publications	Author	Pubmed ID	Journal		Application	
	Rongfa Yuan	25056121	Cancer Res		WB	
	Хіао-Хіао Не	30219235	Biochem Biophys F	Res Commun	WB	
	Xudong Peng	30205370	Cell Physiol Bioch	em	WB	
Storage	Storage: Store at -20°C. Stable for one ye Storage Buffer: PBS with 0.02% sodium azide au	ar after shipment. nd 50% glycerol pH	7.3.			

For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10374-2-AP (MMP7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 10374-2-AP (MMP7 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 10374-2-AP (MMP7 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human pancreas cancer tissue using 10374-2-AP (MMP7 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using MMP7 antibody (10374-2-AP) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).