

Allgemeine Informationen

Katalog-Nr.: 10374-2-AP	GenBank-Zugangsnummer: BC003635	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 4316	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: matrix metalloproteinase 7 (matrilysin, uterine)	
Isotyp: IgG	Berechnete Masse: 29 kDa	
Immunogen Katalognummer: AG0550	Beobachtete Masse: 28-30 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: A549-Zellen, COLO 320-Zellen, humanes Plazenta-Gewebe, NIH/3T3-Zellen, PC-3-Zellen, SKOV-3-Zellen

IHC: humanes Pankreaskarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Magenkrebsgewebe, humanes Prostatakarzinomgewebe

IF: humanes Pankreaskarzinomgewebe,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Rongfa Yuan	25056121	Cancer Res	WB
Xiao-Xiao He	30219235	Biochem Biophys Res Commun	WB
Xudong Peng	30205370	Cell Physiol Biochem	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

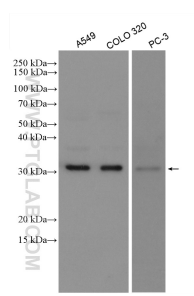
For technical support and original validation data for this product please contact:

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

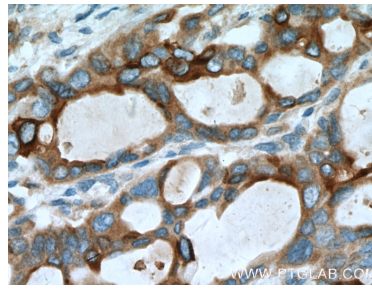
E: proteintech@ptglab.com
W: ptglab.com

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

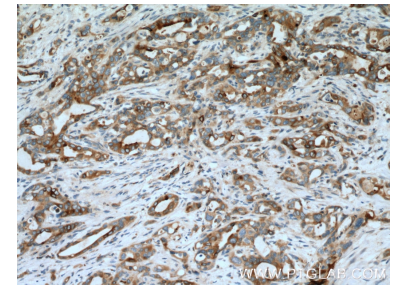
Ausgewählte Validierungsdaten



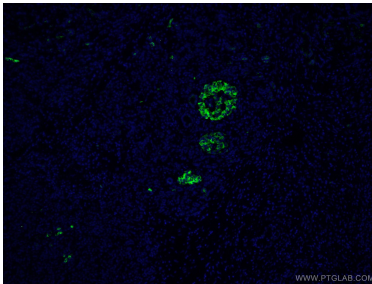
Various lysates were subjected to SDS PAGE followed by western blot with 10374-2-AP (MMP7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



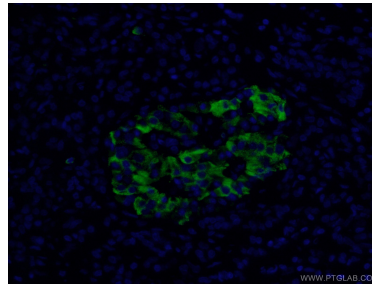
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10374-2-AP (MMP7 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded 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).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).