antibodies -online.com







anti-MMP7 antibody (AA 151-250)



Images



Publications



Overview

Quantity:	100 μL
Target:	MMP7
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse MMP7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target: MMP7

Target Details

Alternative Name:	MMP-7 (MMP7 Products)
Background:	Synonyms: Matrilysin, Matrilysin uterine, Matrin, Matrix Metalloproteinase 7, MMP 7, MMP7,
	MPSL1, PUMP 1, Pump 1 protease, PUMP1, Uterine Matrilysin, Uterine metalloproteinase.
	Background: Matrix metalloproteinase-7 (MMP-7) also known as matrilysin and PUMP (EC
	3.4.24.23) cleaves a number of substrates including collagen types IV and X, elastin, fibronecting
	gelatin, laminin and proteoglycans. MMP-7 is closely related to the stromelysin family members
	but is encoded by a different gene. MMP-7 is the smallest of all the MMPs consisting of a pro-
	peptide domain and a catalytic domain. It lacks the hemopexin-like domain common to other
	members of the MMPs. MMP-7 is secreted as a 28kD proenzyme and can be activated in vitro
	by organomercurials and trypsin and in vivo by MMP-3 to a 18kD active MMP-7 enzyme. Once
	activated, MMP-7 can activate pro-MMP-1 and pro-MMP-9 but not pro-MMP-2. MMP-7 is widely
	expressed having been reported in elevated levels in cycling endometrium as well as in
	colorectal cancers and adenomas, hepatocellular carcinomas, rectal carcinomas, and
	approximately 50 % of gliomas.
Pathways:	Production of Molecular Mediator of Immune Response
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

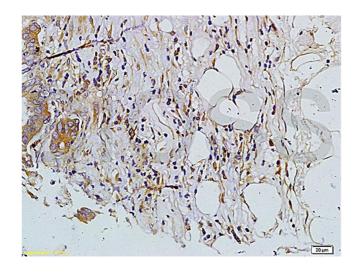
Product cited in:

Jeinsen, Mägel, Jonigk, Klingenberg, Haverich, Wilhelmi, Böer: "Biocompatibility of Intensified Decellularized Equine Carotid Arteries in a Rat Subcutaneous Implantation Model and in a Human In Vitro Model." in: **Tissue engineering. Part A**, (2017) (PubMed).

Madka, Mohammed, Li, Zhang, Kumar, Lightfoot, Wu, Steele, Kopelovich, Rao: "TP53 modulating agent, CP-31398 enhances antitumor effects of ODC inhibitor in mouse model of urinary bladder transitional cell carcinoma." in: **American journal of cancer research**, Vol. 5, Issue 10, pp. 3030-41, (2015) (PubMed).

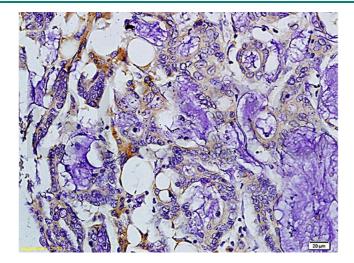
Zhu, Chen, Chen, Song, Sun, Zhao: "Activating transcription factor 4 promotes esophageal squamous cell carcinoma invasion and metastasis in mice and is associated with poor prognosis in human patients." in: **PLoS ONE**, Vol. 9, Issue 7, pp. e103882, (2014) (PubMed).

Images



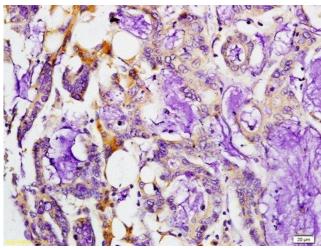
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-MMP-7 Polyclonal Antibody, Unconjugated (ABIN668451) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-MMP-7 Polyclonal Antibody, Unconjugated (ABIN668451) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-MMP-7 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the product details page for more images. Overall 5 images are available for ABIN668451.