Datasheet for ABIN1881546

anti-MMP14 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	MMP14
Binding Specificity:	AA 495-523, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MMP14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 495-523 amino acids from the C-terminal region of human MMP14.
Clone:	RB41662
Isotype:	Ig Fraction
Predicted Reactivity:	M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MMP14
Alternative Name:	MMP14 (MMP14 Products)

Target Details

Background:	Proteins of the matrix metalloproteinase (MMP) family 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 metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion.
Molecular Weight:	65894
NCBI Accession:	NP_004986
UniProt:	P50281
Pathways:	Autophagy

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

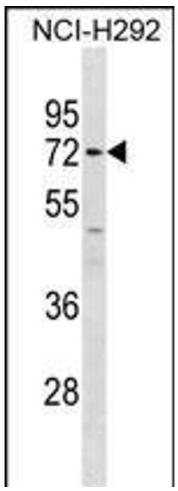
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Sakr, Takino, Domoto, Nakano, Wong, Sasaki, Nakanuma, Sato: "GI24 enhances tumor invasiveness by regulating cell surface membrane-type 1 matrix metalloproteinase." in: **Cancer science**, Vol. 101, Issue 11, pp. 2368-74, (2010) (PubMed).

Publications

Images



Western Blotting

Image 1. P14 Antibody (C-term) (ABIN1881546 and ABIN2838848) western blot analysis in NCI- cell line lysates (35 µg/lane).This demonstrates the P14 antibody detected the P14 protein (arrow).