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Datasheet for ABIN658994
anti-MMP14 antibody (C-Term)

2 Images

Overview

Quantity:	400 µL
Target:	MMP14
Binding Specificity:	AA 470-499, C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This MMP14 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 470-499 amino acids from the C-terminal region of human MMP14.
Clone:	133CT15-10-5-1
Isotype:	IgM
Predicted Reactivity:	B, M, Pig, Rb, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MMP14
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Target Details

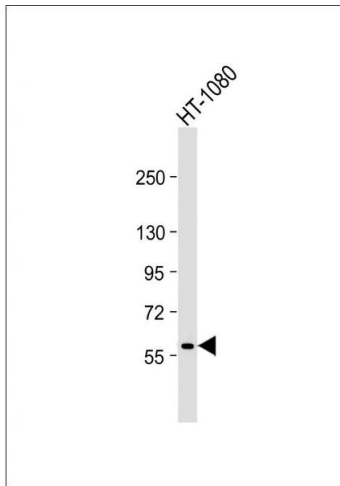
Alternative Name:	MMP14 (MMP14 Products)
Background:	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such 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
Gene ID:	4323
NCBI Accession:	NP_004986
UniProt:	P50281
Pathways:	Autophagy

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000
Restrictions:	For Research Use only

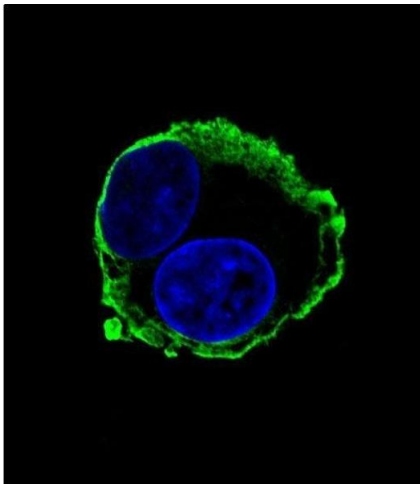
Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. Anti-P14 Antibody (C-term) at 1:1000 dilution + HT-1080 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa
Blocking/Dilution buffer: 5 % NFDN/TBST.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of P14 Antibody (C-term) (ABIN658994 and ABIN2838037) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).