

Datasheet for ABIN3031714
anti-MMP14 antibody (AA 470-499)[Go to Product page](#)

7 Images

Overview

Quantity:	0.4 mL
Target:	MMP14
Binding Specificity:	AA 470-499
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 470-499 from the human protein was used as the immunogen for this MMP14 antibody.
Clone:	133CT15-10-5-1
Isotype:	IgM
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Pig, Rabbit
Purification:	Purified

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.

UniProt: [P50281](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Titration of the MMP14 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:100-1:1000,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

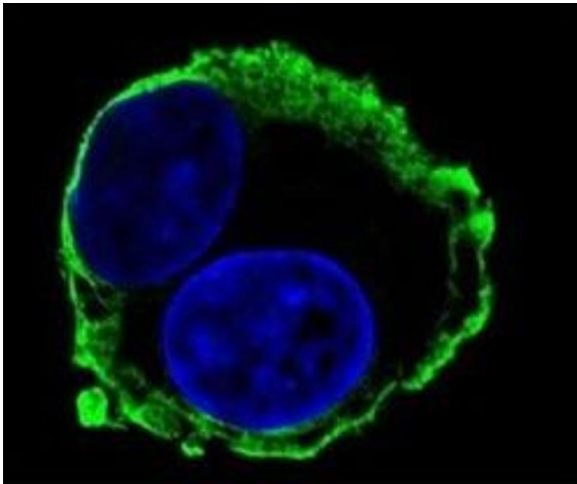
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

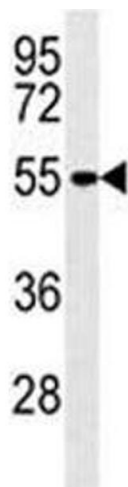
Storage: -20 °C

Storage Comment: Aliquot the MMP14 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



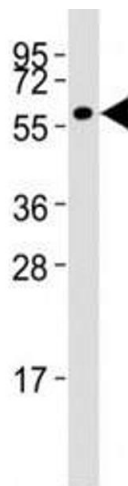
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of MMP14 antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used as a nuclear counterstain (blue).



Western Blotting

Image 2. MMP14 antibody western blot analysis in A2058 lysate



Western Blotting

Image 3. Western blot testing of MMP14 antibody at 1:1000 dilution + HT-1080 lysate; Predicted band size : 66 kDa.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3031714.