

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-MMP14 / MT1-MMP



Numéro de catalogue: 14552-1-AP

27 Publications

## Informations de base

Numéro de catalogue:

14552-1-AP

Taille:

150ul, Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG5965

Numéro d'acquisition GenBank:

BC064803

Identification du gène (NCBI):

4323

Nom complet:

matrix metallopeptidase 14 (membrane-inserted)

MW calculé

66 kDa

MW observés:

66 kDa, 45-50 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IF 1:50-1:500

## Applications

Applications testées:

IF, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules HepG2, cellules A549, cellules COLO 320, tissu de côlon humain

IF : cellules HepG2, cellules COLO 320

## Informations générales

MMP14, also named as MT1-MMP, is a key matrix metalloproteinase (MMP) family member which plays a crucial role in tumor growth, invasion and metastasis. MT1-MMP is a cell membrane-bound proteinase, and it enhances degradation of collagen IV, a major component of the basement membrane, by forming a complex with tissue inhibitor of metalloproteinase-2 (TIMP-2) to activate pro-MMP-2. MT1-MMP can influence venous invasion, intrahepatic metastasis, and patient outcome in hepatocellular carcinoma (HCC). MT1-MMP was reported to be present in centromere and could lead to chromosome instability in MDCK cells, indicating that MT1-MMP may have more novel functions in the intracellular compartments. In western blotting, pro-MMP14 (65 kDa) and MMP14 (51 kDa) bands showed with the truncated MMP14 (45, 42, 35, 20 kDa) forms (PMID:12097451).

## Publications notables

| Autrice     | Pubmed ID | Journal                | Application |
|-------------|-----------|------------------------|-------------|
| Junqing Guo | 29499931  | Mol Ther Nucleic Acids | WB          |
| Baoxu Lin   | 34819020  | BMC Genomics           | WB          |
| Nina Kreße  | 35682709  | Int J Mol Sci          | WB          |

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

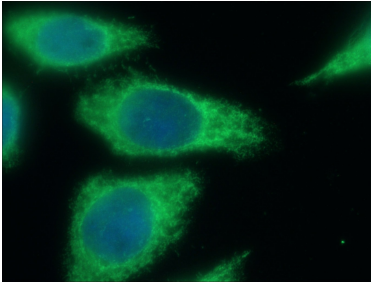
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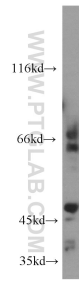
E: proteintech@ptglab.com  
W: ptglab.com

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## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 14552-1-AP (MT1-MMP antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



HepG2 cells were subjected to SDS PAGE followed by western blot with 14552-1-AP (MT1-MMP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.