

A0067

Leader in Biomolecular Solutions for Life Science



MMP14/MT1-MMP Rabbit mAb

Catalog No.: A0067

Recombinant

3 Publications

Basic Information

Observed MW

52kDa/60kDa

Calculated MW

66kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,FC,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC0211

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

FC 1:100 - 1:500

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Contact



www.abclonal.com

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.

Immunogen Information

Gene ID

4323

Swiss Prot

P50281

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1; MMP14/MT1-MMP

Product Information

Source

Rabbit

Isotype

IgG

Purification

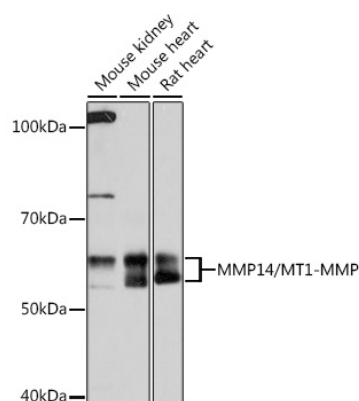
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using MMP14/MMP14/MT1-MMP Rabbit mAb (A0067) at 1 : 1000 dilution.

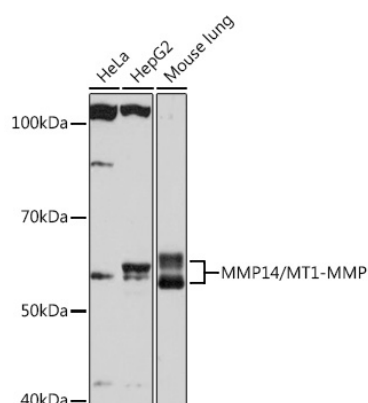
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of various lysates using MMP14/MMP14/MT1-MMP Rabbit mAb (A0067) at 1 : 1000 dilution.

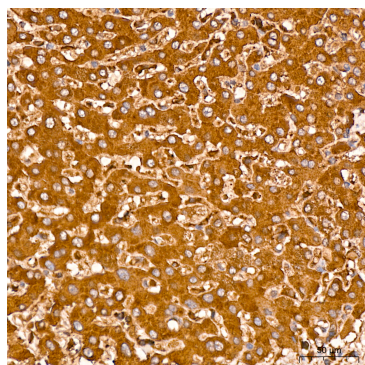
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

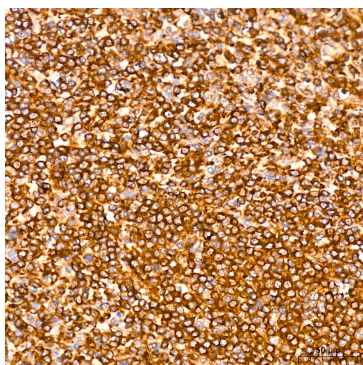
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

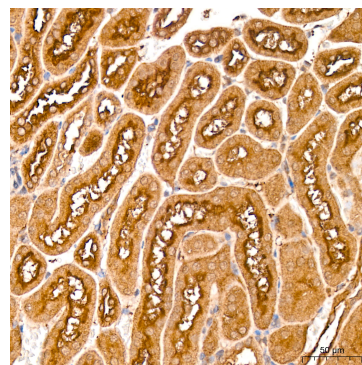
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using MMP14/MT1-MMP Rabbit mAb (A0067) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

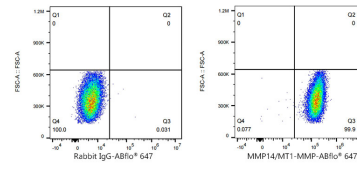
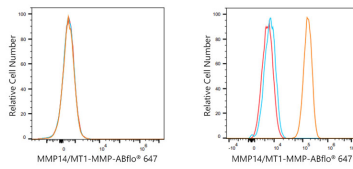
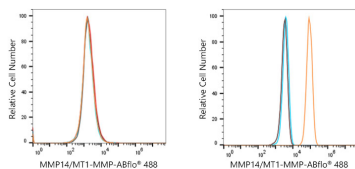


Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using MMP14/MT1-MMP Rabbit mAb (A0067) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using MMP14/MT1-MMP Rabbit mAb (A0067) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

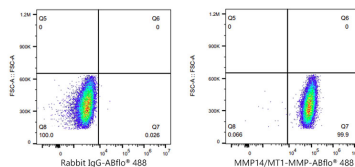
Validation Data



Flow cytometry: 1×10^6 MCF7 cells (negative control, left) and HT-1080 (right) cells were intracellularly-stained with MMP14/MT1-MMP Rabbit mAb (A0067, 2 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 488 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 MCF7 cells (negative control, left) and HT-1080 (right) cells were intracellularly-stained with MMP14/MT1-MMP Rabbit mAb (A0067, 2 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 488 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 MCF7 cells (negative control, left) and HT-1080 (right) cells were intracellularly-stained with MMP14/MT1-MMP Rabbit mAb (A0067, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 MCF7 cells (negative control, left) and HT-1080 (right) cells were intracellularly-stained with MMP14/MT1-MMP Rabbit mAb (A0067, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).