

MAA100Hu22

Monoclonal Antibody to Matrix Metalloproteinase 2 (MMP2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C1

Traits: Liquid

Concentration: 1mg/mL

UOM: 20µg(20µL)

Cross Reactivity: Mouse

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant MMP2 (Tyr110~Cys660) expressed in *E.coli*

Accession No.: RPA100Hu02

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

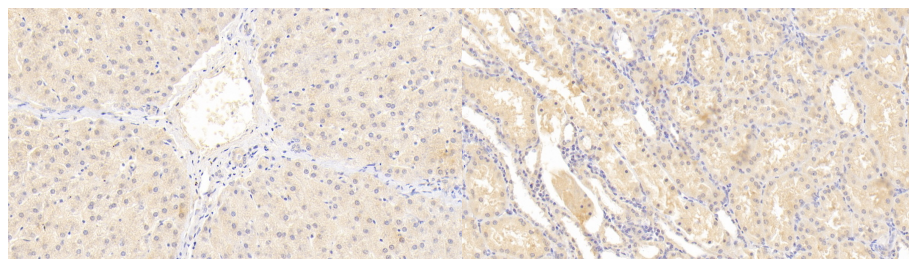
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

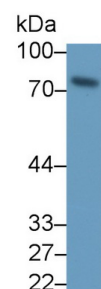
obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

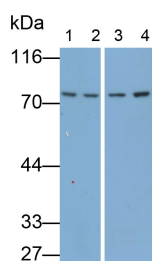


DAB staining on IHC-P; Samples:
Human Liver Tissue; Primary Ab:
20µg/ml Mouse Anti-Human MMP2
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Mouse IgG
Polyclonal Antibody (Catalog:
SAA544Mu19)

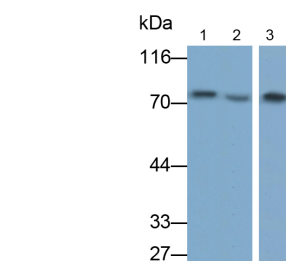
DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 20µg/ml Mouse Anti-
Human MMP2 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



Western Blot; Sample: A431 cell lysate
Primary Ab: 2?g/ml Mouse Anti-Human
MMP2 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



Western Blot; Samples: Lane1:
RAW264.7 cell lysate; Lane2: HUVEC
cell lysate; Lane3: SK-N-SH cell lysate;
Lane4: MCF7 cell lysate;
Primary Ab: 0.2µg/ml Mouse Anti-
Human MMP2 Antibody
Second Ab: 0.2?g/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: HUH7
cell lysate; Lane2: NIH/3T3 cell lysate;
Lane3: C2C12 cell lysate;
Primary Ab: 0.3µg/ml Mouse Anti-
Human MMP2 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.