

MAA553Ra21

Monoclonal Antibody to Matrix Metalloproteinase 9 (MMP9)

Organism Species: *Rattus norvegicus* (Rat)

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: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C7

Traits: Liquid

Concentration: 1mg/mL

UOM: 20 μ L

Cross Reactivity: Human

Applications: WB; IHC; ICC; IP.

[IMMUNOGEN]

Immunogen: Recombinant MMP9 (Ala226~Asp391) expressed in *E.coli*

Accession No.: RPA553Ra01

[APPLICATIONS]

Western blotting: 0.01-3 μ g/mL

Immunohistochemistry: 5-30 μ g/mL

Immunocytochemistry: 5-30 μ g/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]

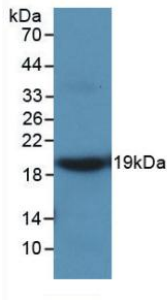
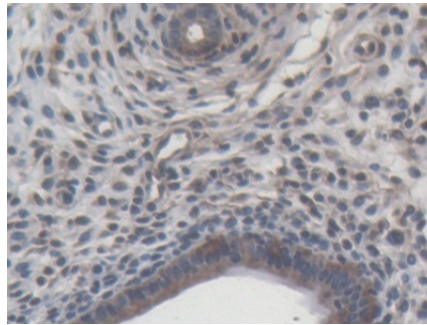
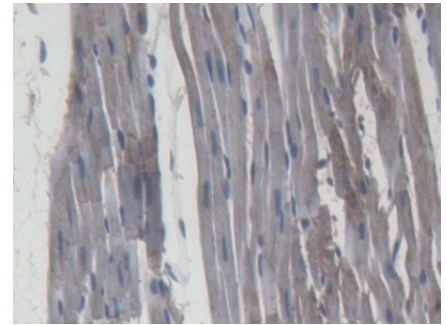


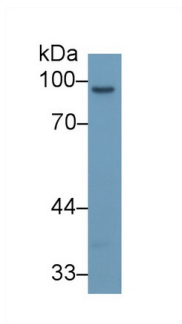
Figure. Western Blot; Sample: Recombinant MMP9, Rat.



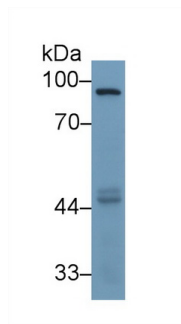
DAB staining on IHC-P; Samples: Rat Uterus Tissue; Primary Ab: 20µg/ml Mouse Anti-Rat MMP9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Samples: Rat Cardiac Muscle Tissue; Primary Ab: 20µg/ml Mouse Anti-Rat MMP9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Rat Spleen lysate;
Primary Ab: 3µg/ml Mouse Anti-Rat MMP9 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Human HepG2 cell lysate;
Primary Ab: 3µg/ml Mouse Anti-Rat MMP9 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.