

PAA402Hu01

Polyclonal Antibody to Matrix Metalloproteinase 12 (MMP12)

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: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 200µg(400µL)

Cross Reactivity: Mouse;Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant MMP12 (Ala290-Gly469) expressed in *E.coli*

Accession No.: RPA402Hu01

[APPLICATIONS]

Western blotting: 0.01-5µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunofluorescence: 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.

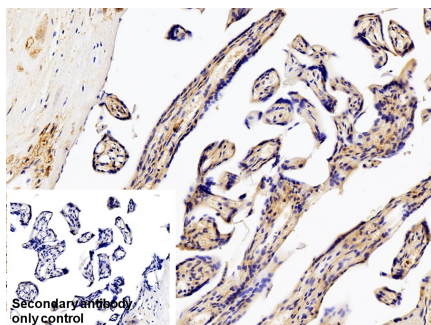
Store at 4°C for frequent use.

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

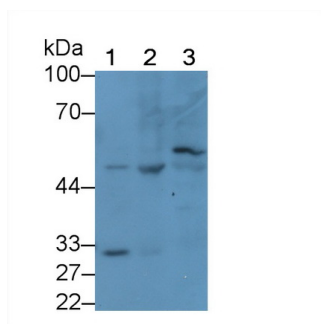
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

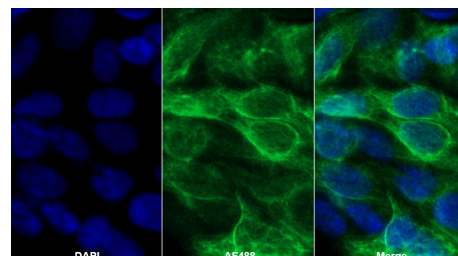
[IDENTIFICATION]



DAB staining on IHC-P; Sample: Human Placenta Tissue
Primary Ab: 30µg/ml Rabbit Anti-Human MMP12
Antibody Control: Used PBS instead of primary antibody
Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Rat Cerebrum lysate; Lane2: Mouse Cerebrum lysate; Lane3: A549 cell lysate
Primary Ab: 5µg/ml Rabbit Anti-Human MMP12 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



AF488 staining on IF;
Sample: HaCaT cell
Primary Ab: 20µg/ml Rabbit Anti-Human MMP12 Antibody
Second Ab: 2?g/ml AF488-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb11)

[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.