

**MAA573Hu21**

**Monoclonal Antibody to Procollagen III N-Terminal Propeptide (PIIINP)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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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:** H10-2

**Traits:** Liquid

**Concentration:** 1mg/ml

**UOM:** 200µl

**Cross Reactivity:** Porcine

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant PIIINP (Gln24~Pro153) expressed in *E.coli*

**Accession No.:** RPA573Hu01

**[ APPLICATIONS ]**

Western blotting: 0.01-6µg/mL;

Immunohistochemistry: 5-50µg/mL;

Immunocytochemistry: 5-50µg/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

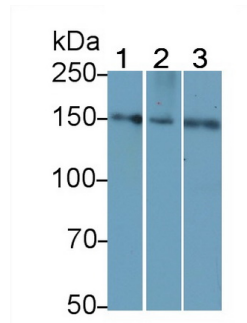
Store at 4°C for frequent use.

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

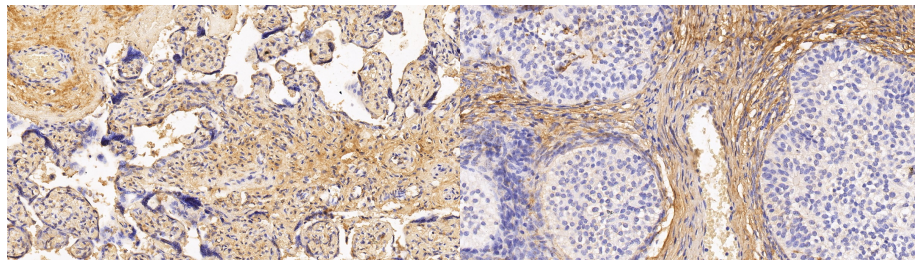
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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 ]**

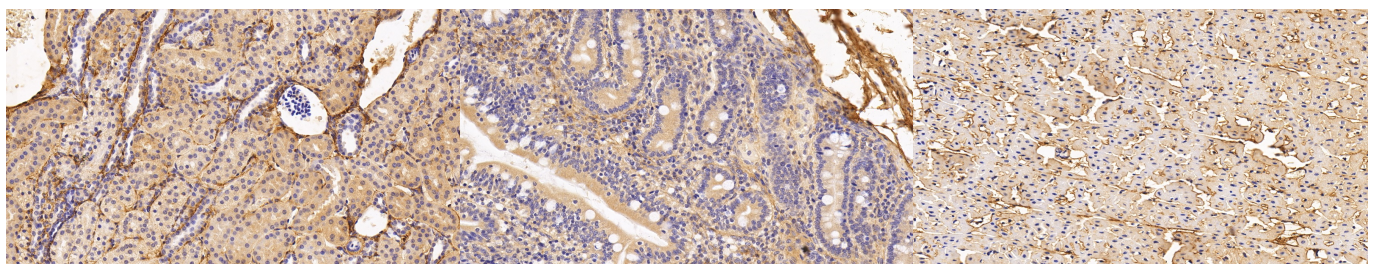


Western Blot; Sample: Lane1: Porcine cell lysate; Lane2: Human Placenta lysate; Lane3: Human Serum Primary Ab: 0.8?g/ml Mouse Anti-Human PIIINP Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



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

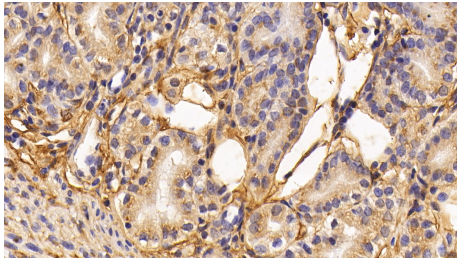
DAB staining on IHC-P; Sample: Human Ovary Tissue; Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



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

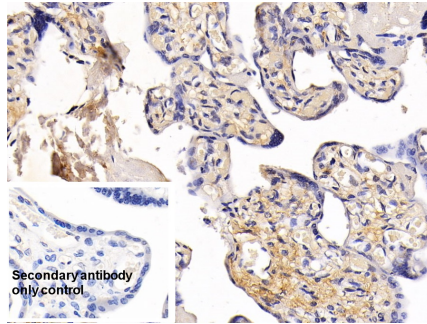
DAB staining on IHC-P; Sample: Human Small intestine Tissue; Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

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



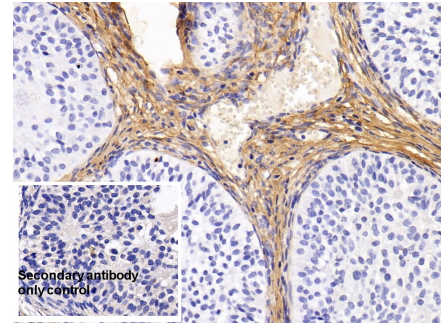
DAB staining on IHC-P;

Sample: Human Stomach Tissue;  
 Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)



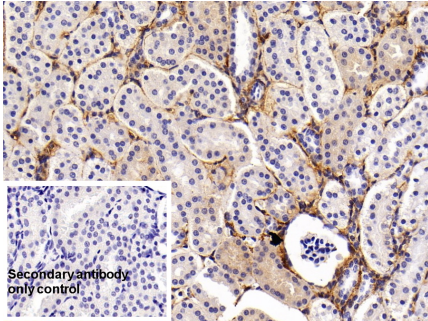
DAB staining on IHC-P;

Sample: Human Placenta Tissue  
 Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)



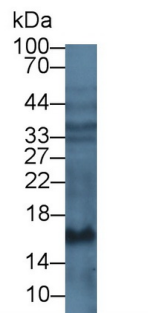
DAB staining on IHC-P;

Sample: Human Ovary Tissue  
 Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Kidney Tissue  
 Primary Ab: 20µg/ml Mouse Anti-Human PIIINP Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)



Western Blot; Sample: Human HepG2 cell lysate;  
 Primary Ab: 6µg/ml Mouse Anti-Multi-species PIIINP 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.