

PAA721Hu01

Polyclonal Antibody to C-Type Natriuretic Peptide (CNP)

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: 100μL

Cross Reactivity: Mouse

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant CNP (Arg33~Gly125) expressed in *E.coli*

Accession No.: RPA721Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

For flow cytometry: 5-20μg/mL ;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

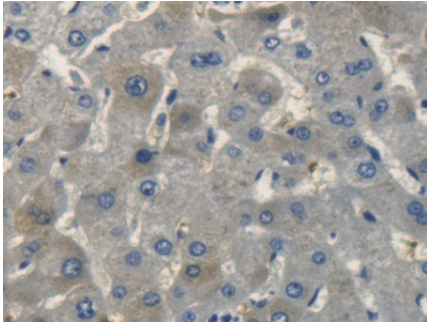
Store at 4°C for frequent use.

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

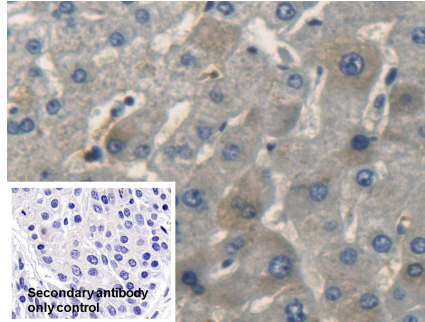
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

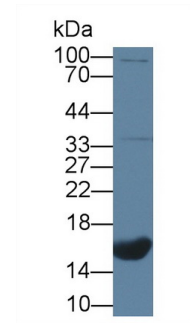
[IDENTIFICATION]



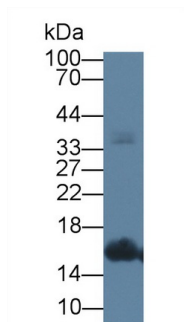
DAB staining on IHC-P; Samples:
Human Liver Tissue; Primary Ab:
20µg/ml Rabbit Anti-Human CNP
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



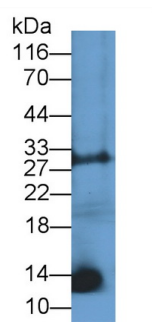
DAB staining on IHC-P;
Sample: Human Liver Tissue
Primary Ab: 20µg/ml Rabbit Anti-
Human CNP Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



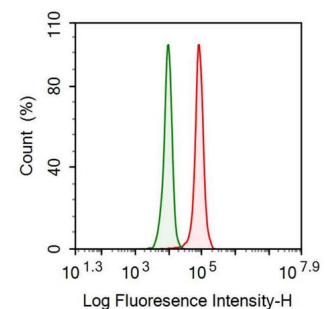
Western Blot; Sample: Human Lung
lysate;
Primary Ab: 1µg/ml Rabbit Anti-Human
CNP Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Human Liver
lysate;
Primary Ab: 1µg/ml Rabbit Anti-Human
CNP Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



Western Blot; Sample: Mouse Liver
lysate
Primary Ab: 0.2µg/ml Rabbit Anti-
Human CNP Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



Human HepG2 cell was fixed with 2%
paraformaldehyde (10 min) ,
permeabilised with 0.1% BSA-Triton
X-100, then stained with 20µg/ml rabbit
Anti-human CNP Polyclonal Antibody
(Catalog PAA721Hu01, red histogram)
or Isotype control antibody (Catalog

(Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)

IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[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.