

**MAA280Hu21**

**Monoclonal Antibody to Calnexin (CNX)**

**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:** IgG2b Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C6

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 100μL

**Cross Reactivity:** Mouse;Rat;Rabbit;Canine;Porcine;Bovine;Caprine;Ovine

**Applications:** WB; IHC; ICC/IF

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant CNX (Thr239~Ala461) expressed in *E.coli*

**Accession No.:** RPA280Hu01

## **[ APPLICATIONS ]**

Western blotting: 0.01-4μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 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.

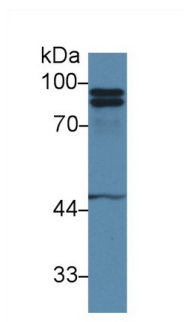
Store at 4°C for frequent use.

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

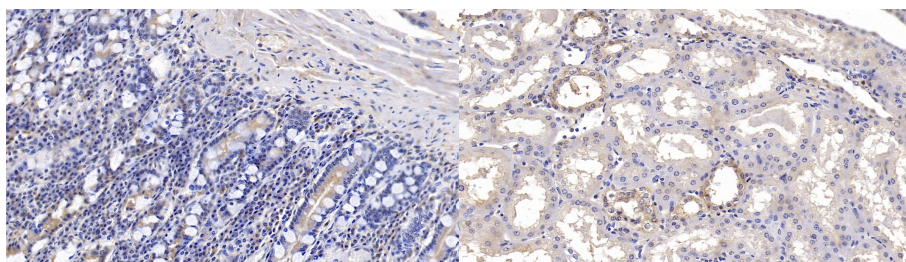
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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 ]

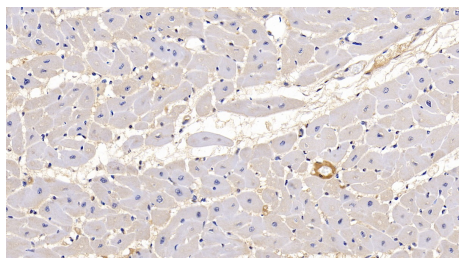


Western Blot; Sample: Human Liver lysate; Primary Ab: 4µg/ml Mouse Anti-Human CNX Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

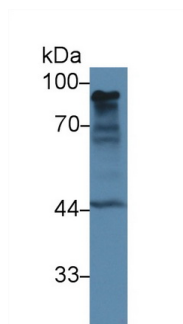


DAB staining on IHC-P; Sample: Human Small intestine Tissue; Primary Ab: 10µg/ml Mouse Anti-Human CNX Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

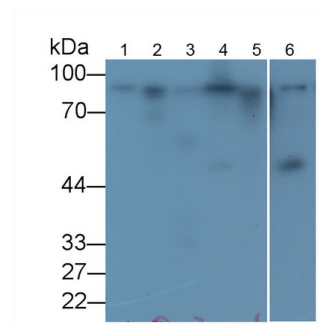
DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 10µg/ml Mouse Anti-Human CNX Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



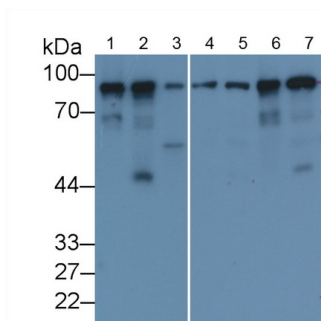
DAB staining on IHC-P; Sample: Human Cardiac Muscle Tissue; Primary Ab: 10µg/ml Mouse Anti-Human CNX Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Human A375 cell lysate; Primary Ab: 4µg/ml Mouse Anti-Human CNX Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

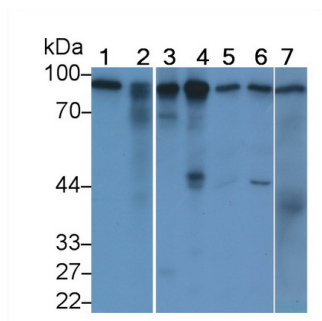


Western Blot Sample: Lane1: Human Lung lysate; Lane2: A549 cell lysate; Lane3: Mouse Lung lysate; Lane4: Mouse Cerebrum lysate; Lane5: Rat Lung lysate; Lane6: Rat Cerebrum lysate; Primary Ab: 1?g/ml Mouse Anti-Human CNX Antibody Second Ab: 0.2µg/mL HRP-Linked



Western Blot Sample: Lane1: Porcine Lung lysate; Lane2: Porcine Cerebrum lysate; Lane3: Caprine Lung lysate; Lane4: Bovine Lung lysate; Lane5: Bovine Cerebrum lysate; Lane6: Canine Lung lysate; Lane7: Canine Cerebrum lysate;

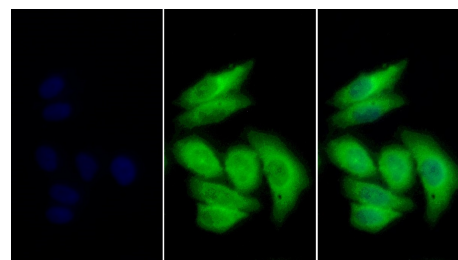
Primary Ab: 1?g/ml Mouse Anti-Human CNX Antibody  
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Human Lung lysate; Lane2: A549 cell lysate; Lane3: Porcine Lung lysate; Lane4: Porcine Cerebrum lysate; Lane5: Bovine Lung lysate; Lane6: Bovine Cerebrum lysate; Lane7: Caprine Cerebrum lysate

Primary Ab: 1?g/ml Mouse Anti-Human CNX Antibody  
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)

Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)



FITC staining on IF;  
Samples: Human MCF7 cell;  
Primary Ab: 20µg/ml Mouse Anti-Human CNX Antibody  
Second Ab: 1µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu18)

## [ **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.