

**PAA478Mu01**

**Polyclonal Antibody to Cardiac Troponin I (cTnI)**

**Organism Species: *Mus musculus* (Mouse)**

***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:** Polyclonal antibody preparation

**Host:** Rabbit

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

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 20µL

**Cross Reactivity:** Human;Rat

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

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant cTnI (Met1~Gly211) expressed in *E.coli*

**Accession No.:** RPA478Mu01

## **[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL

Immunohistochemistry: 5-20µg/mL

Immunocytochemistry: 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.

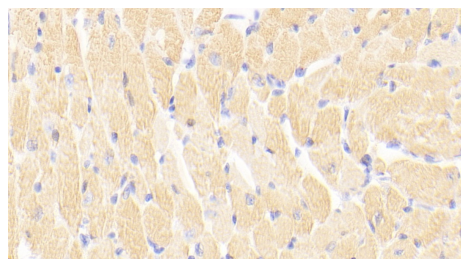
Store at 4°C for frequent use.

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

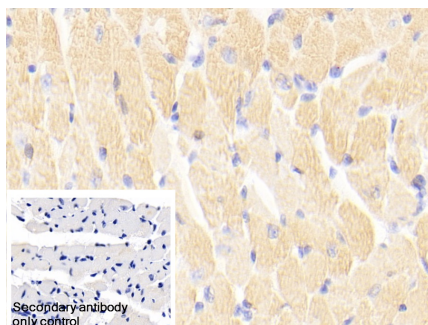
obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]



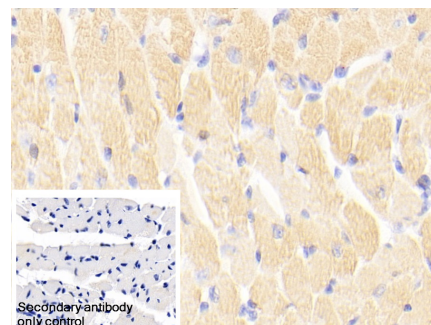
DAB staining on IHC-P; Samples:

Mouse Cardiac Muscle Tissue; Primary  
Ab: 5?g/ml Rabbit Anti-Mouse TNNI3  
Antibody Second Ab: 2μg/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)



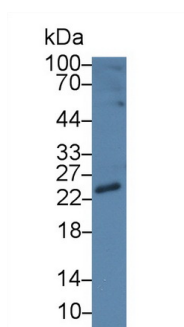
DAB staining on IHC-P;

Sample: Mouse Cardiac Muscle Tissue  
Primary Ab: 5μg/ml Rabbit Anti-Mouse  
cTnI Antibody  
Control: Used PBS instead of primary  
antibody  
Second Ab: 2μg/ml HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)



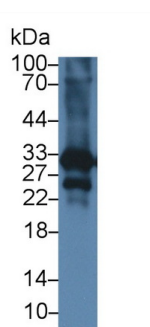
DAB staining on IHC-P;

Sample: Mouse Cardiac Muscle Tissue  
Primary Ab: 5μg/ml Rabbit Anti-Mouse  
cTnI Antibody  
Control: Used PBS instead of primary  
antibody  
Second Ab: 2μg/ml HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
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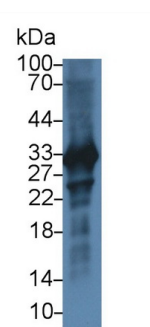
Western Blot; Sample: Mouse Skeletal  
muscle lysate;

Primary Ab: 2μg/ml Rabbit Anti-Mouse  
TNNI3 Antibody  
Second Ab: 0.2μg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody



Western Blot; Sample: Mouse Heart  
lysate;

Primary Ab: 2μg/ml Rabbit Anti-Mouse  
TNNI3 Antibody  
Second Ab: 0.2μg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody



Western Blot; Sample: Rat Heart lysate;

Primary Ab: 2μg/ml Rabbit Anti-Mouse  
TNNI3 Antibody  
Second Ab: 0.2μg/mL HRP-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb19)

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**[ 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.