

PAA478Ca01

Polyclonal Antibody to Cardiac Troponin I (cTnI)

Organism Species: *Canis familiaris*; Canine (Dog)

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: 500µL

Cross Reactivity: Mouse;Rat

Applications: WB; IHC

[IMMUNOGEN]

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

Accession No.: RPA478Ca01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 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.

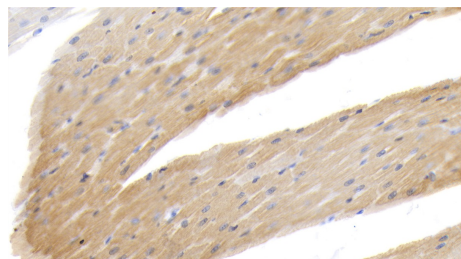
Store at 4°C for frequent use.

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

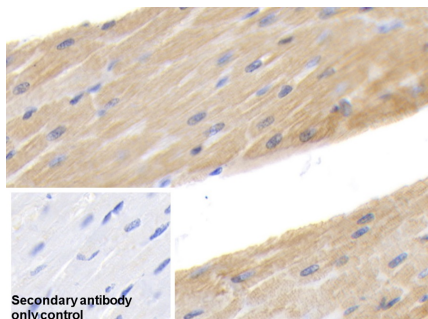
expiration date under appropriate storage condition.

[IDENTIFICATION]



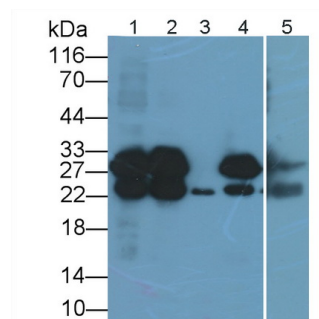
DAB staining on IHC-P; Samples:

Canine Cardiac Muscle Tissue; Primary
Ab: 20?g/ml Rabbit Anti-Canine TNNI3
Antibody Second Ab: 2μg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



DAB staining on IHC-P;

Sample: Canine Cardiac Muscle Tissue
Primary Ab: 20μg/ml Rabbit Anti-
Canine cTnI 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: Lane1: Canine
Heart lysate; Lane2: Rat Heart lysate;
Lane3: Rat Skeletal muscle lysate;
Lane4: Mouse Heart lysate; Lane5:
Mouse Skeletal muscle lysate
Primary Ab: 0.1μg/ml Rabbit Anti-
Canine cTnI Antibody
Second Ab: 0.2μg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

[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.