

MAD232Hu24

Monoclonal Antibody to Troponin T Type 2, Cardiac (TNNT2)

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: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: H2

Traits: Liquid

Concentration: 0.94mg/mL

UOM: 10µL

Cross Reactivity: Mouse;Rat;Canine;Porcine;Bovine

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant TNNT2 (Ser2~Ile100) expressed in *E.coli*

Accession No.: RPD232Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Flow cytometry: 10µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

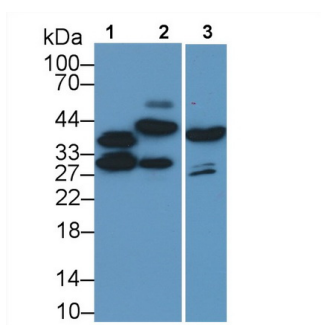
Store at 4°C for frequent use.

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

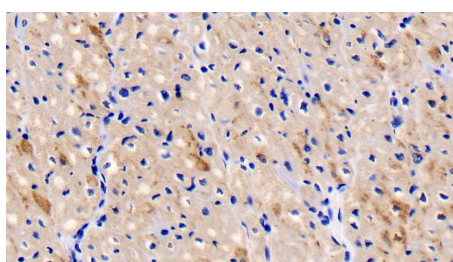
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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]

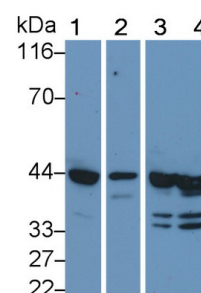


Western Blot; Sample: Lane1: Rat Heart lysate; Lane2: Mouse Heart lysate; Lane3: Porcine Heart lysate
Primary Ab: 2µg/ml Mouse Anti-Human TNNT2 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

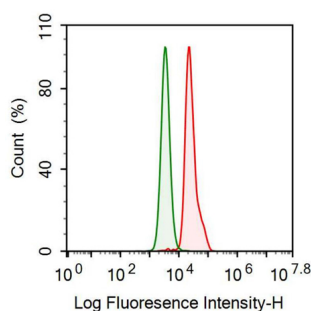


DAB staining on IHC-P; Sample:

Human Cardiac Muscle Tissue; Primary Ab: 20µg/ml Mouse Anti-Human TNNT2 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Porcine Heart lysate; Lane2: Rat Heart lysate; Lane3: Bovine Heart lysate; Lane4: Canine Heart lysate
Primary Ab: 0.2µg/ml Mouse Anti-Human TNNT2 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Human U2OS cell line was fixed with 2% paraformaldehyde (10 min), permeabilised with 0.2% BSA-Triton X-100, then stained with 10µg/ml mouse Anti-human TNNT2 Monoclonal Antibody (Catalog MAD232Hu24, red)

histogram) or Isotype control antibody

(Catalog IS067-Mu01, green

histogram), followed by 1µg/ml FITC-

conjugated Anti-mouse IgG Secondary

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.