MAB341Hu23

Monoclonal Antibody to Actin Alpha 1, Cardiac Muscle (ACTC1)

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: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C302

Traits: Liquid

Concentration: 1mg/ml

UOM: 100µl

Cross Reactivity: Rat; Porcine.

Applications: WB; IHC.

[IMMUNOGEN]

Immunogen: Recombinant ACTC1 (Asp156~Gly368) expressed in *E.coli*

Accession No.: RPB341Hu01

[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.

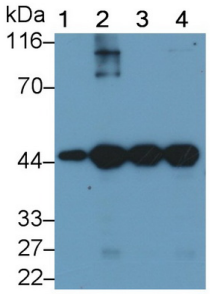
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

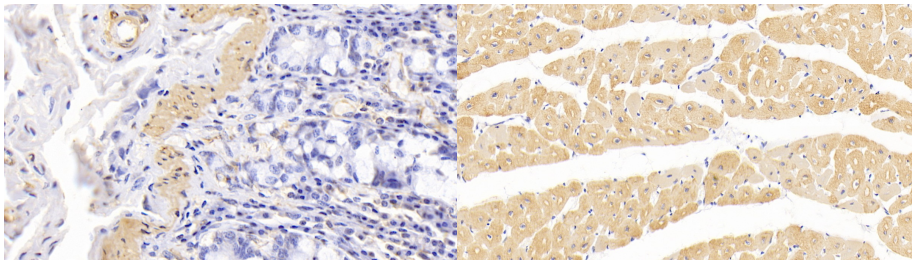
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

[IDENTIFICATION]

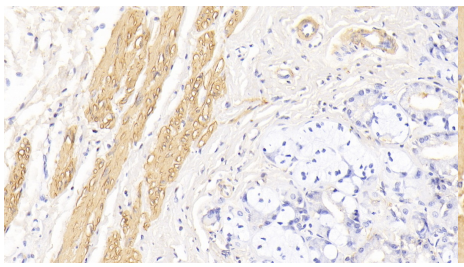


Western Blot; Sample: Lane1: Rat Heart lysate; Lane2: Rat Skeletal muscle lysate; Lane3: Porcine Heart lysate; Lane4: Porcine Skeletal muscle lysate
Primary Ab: 0.05µg/ml Mouse Anti-Human ACTC1 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

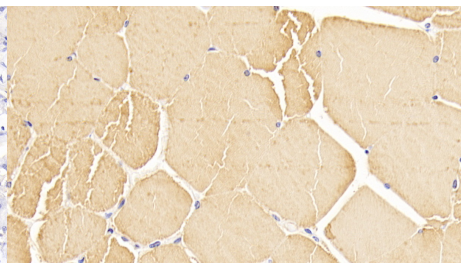


DAB staining on IHC-P;
Sample: Human Small intestine Tissue;
Primary Ab: 20µg/ml Mouse Anti-Human ACTC1 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

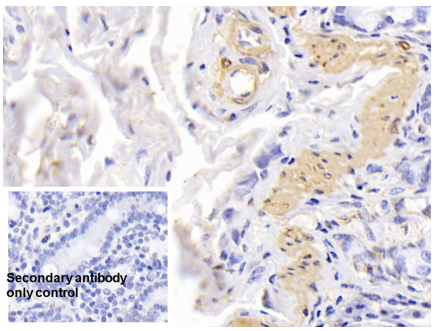
DAB staining on IHC-P;
Sample: Human Cardiac Muscle Tissue;
Primary Ab: 20µg/ml Mouse Anti-Human ACTC1 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Stomach Tissue;
Primary Ab: 20µg/ml Mouse Anti-Human ACTC1 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Skeletal muscle Tissue;
Primary Ab: 20µg/ml Mouse Anti-Human ACTC1 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

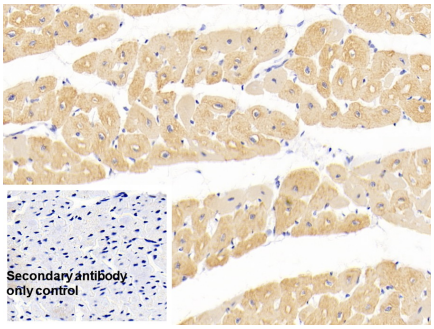


DAB staining on IHC-P;
Sample: Human Small intestine Tissue
Primary Ab: 20µg/ml Mouse Anti-Human ACTC1 Antibody
Control: Used PBS instead of primary antibody

(Catalog: SAA544Mu19)

Second Ab: 2μg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

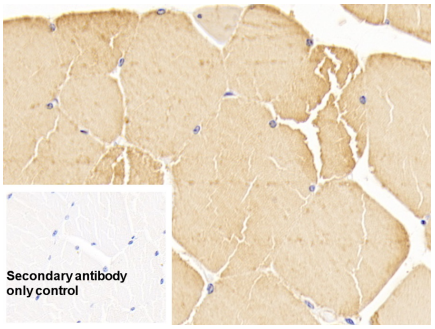
Sample: Human Cardiac Muscle Tissue

Primary Ab: 20μg/ml Mouse Anti-Human ACTC1 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2μg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Skeletal muscle Tissue

Primary Ab: 20μg/ml Mouse Anti-Human ACTC1 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2μg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

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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.