

MAB340Mi23

Monoclonal Antibody to Beta Actin (ACTB)

Organism Species: *Canis familiaris*; Canine (Dog), *Sus scrofa*; Porcine (Pig), *Bos taurus*;

Bovine (Cattle)

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: IgG2a Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C6

Traits: Liquid

Concentration: 1mg/mL

UOM: 10µL

Cross Reactivity: Rabbit

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant ACTB (Met1~Phe375) expressed in *E.coli*

Accession No.: RPB340Mi01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunocytochemistry: 5-30µg/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.

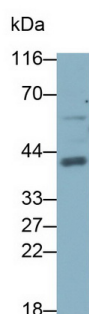
Store at 4°C for frequent use.

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

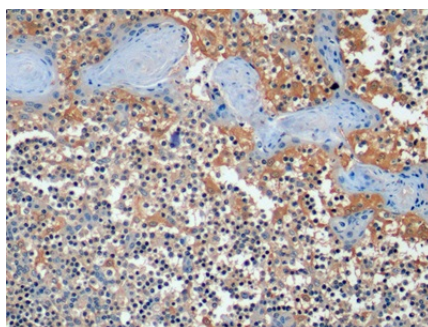
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

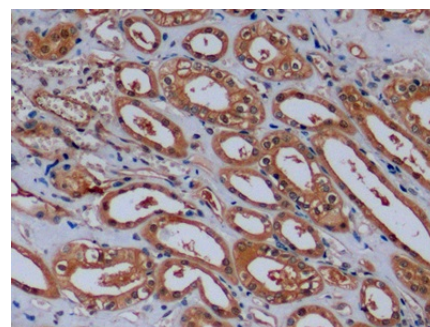
[IDENTIFICATION]



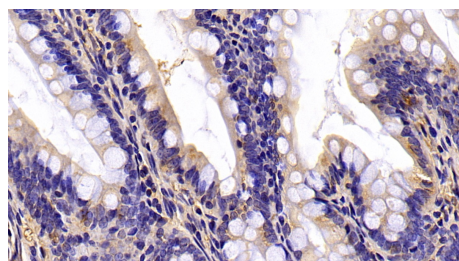
Western Blot; Sample: HepG2 cell lysate
Primary Ab: 0.2µg/ml Mouse Anti-Multi-species ACTB Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



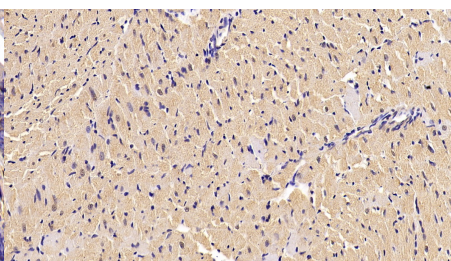
DAB staining on IHC-P; Sample: Human Tonsil Tissue;
Primary Ab: 10µg/ml Mouse Anti-Multi-species ACTb Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



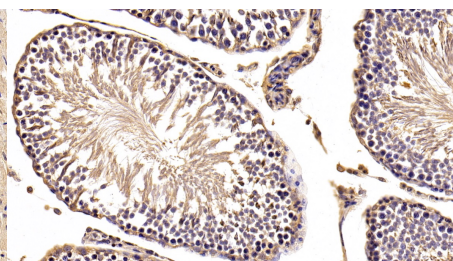
DAB staining on IHC-P; Sample: Human Kidney Tissue;
Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTb Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



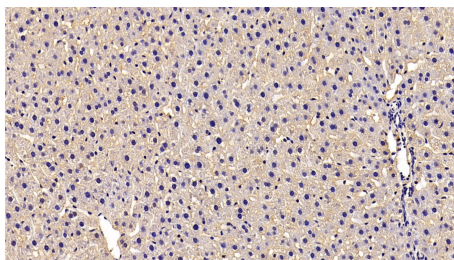
DAB staining on IHC-P; Sample: Rat Colon Tissue;
Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



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



DAB staining on IHC-P; Sample: Rat Testis Tissue;
Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



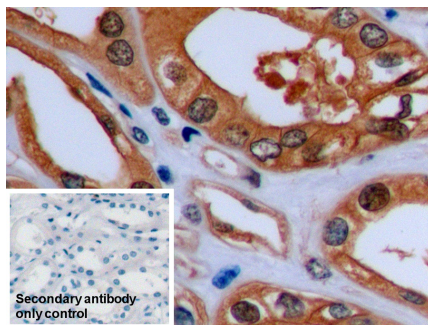
DAB staining on IHC-P;

Sample: Rat Liver Tissue;

Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTB Antibody

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

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

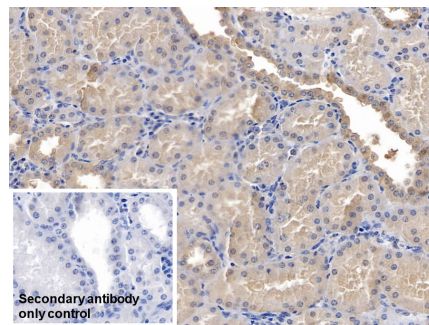
Sample: Human Kidney Tissue

Primary Ab: 10µg/ml Mouse Anti-Multi-species ACTB 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;

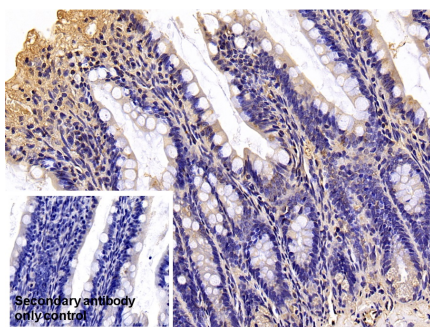
Sample: Porcine Kidney Tissue

Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTB 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;

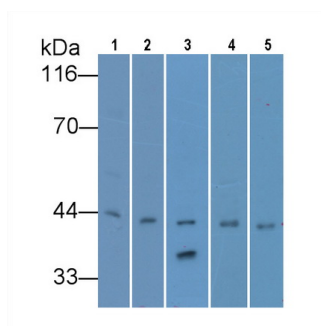
Sample: Rat Colon Tissue

Primary Ab: 20µg/ml Mouse Anti-Multi-species ACTB Antibody

Control: Used PBS instead of primary antibody

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

(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Human

Lung lysate; Lane2: Porcine Kidney

lysate; Lane3: Rabbit Kidney lysate;

Lane4: Bovine Kidney lysate; Lane5:

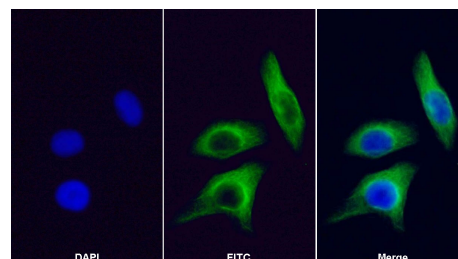
Canine Kidney lysate

Primary Ab: 1µg/ml Mouse Anti-Multi-species ACTb Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)



FITC staining on IF;

Sample: HeLa cell

Primary Ab: 30µg/ml Mouse Anti-Multi-species ACTB Antibody

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

(Catalog: SAA544Mu11)

[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.