

MAB340Mi21

Monoclonal Antibody to Beta Actin (ACTB)

Organism Species: *Homo sapiens* (Human), *Mus musculus* (Mouse), *Rattus norvegicus* (Rat), *Cavia* (Guinea pig), *Canis familiaris*; Canine (Dog), *Sus scrofa*; Porcine (Pig), *Bos taurus*; Bovine (Cattle), *Ovis aries*; Ovine (Sheep), *Equus caballus*; Equine (Horse),

***Chicken* (Gallus)**

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: C7

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µg(100µL)

Cross

Reactivity: Human;Mouse;Rat;Cavia;Rabbit;Canine;Porcine;Bovine;Caprine;Equine;Gallus

Applications: WB; IHC

[IMMUNOGEN]

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

Accession No.: RPB340Mi01

[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.

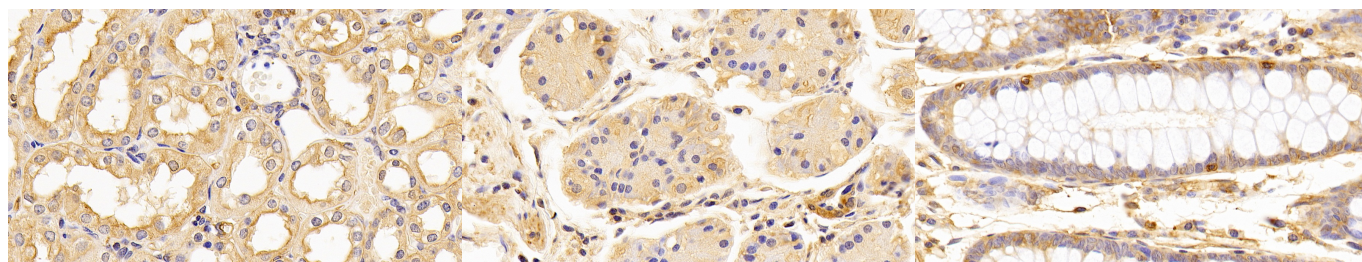
Store at 4°C for frequent use.

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.

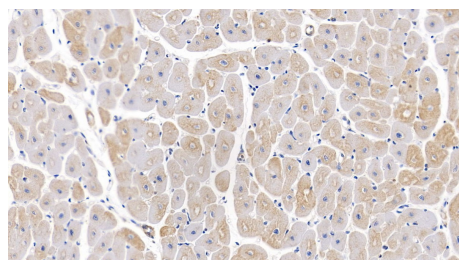
[IDENTIFICATION]



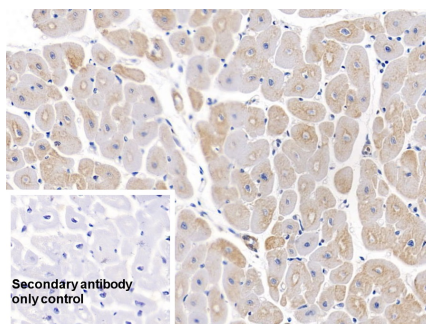
DAB staining on IHC-P; Sample:
Human Kidney Tissue; Primary Ab:
10µg/ml Mouse Anti-Multi-species
ACTb Antibody Second Ab:
2µg/mL HRP-Linked Caprine Anti-
Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Stomach 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)

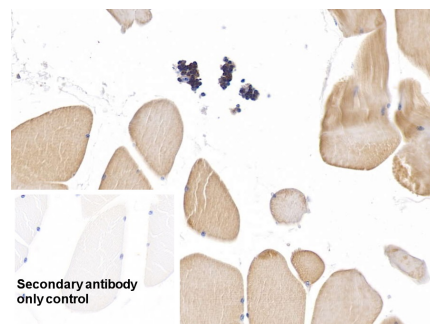
DAB staining on IHC-P;
Sample: Human Colon Tissue;
Primary Ab: 10µg/ml Mouse Anti-Multi-
species ACTb Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Porcine 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)

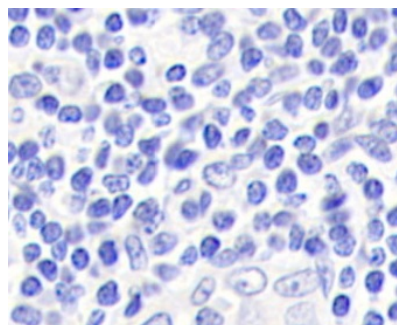


DAB staining on IHC-P;
Sample: Porcine Heart Tissue
Primary Ab: 20µg/ml Mouse Anti-Multi-
species ACTB Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody



DAB staining on IHC-P;
Sample: Porcine Skeletal muscle
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

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

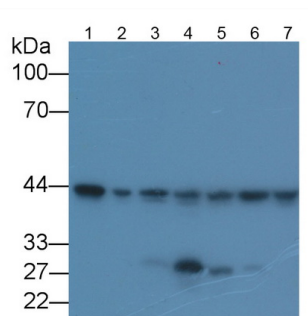
Sample: Human Tonsil Tissue

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)



Western Blot; Sample: Lane1: Human Lung lysate; Lane2: 293T cell lysate; Lane3: Rat Liver lysate; Lane4: Rat Kidney lysate; Lane5: Porcine Liver lysate; Lane6: Porcine Kidney lysate; Lane7: Mouse Liver lysate

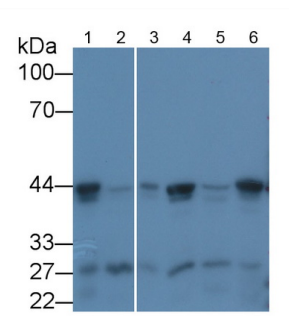
Primary Ab: 1µg/ml Mouse Anti-Multi-species ACTb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

Antibody

(Catalog: SAA544Mu19)

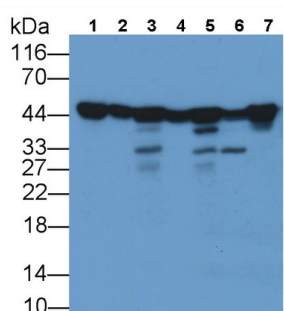


Western Blot; Sample: Lane1: Mouse Kidney lysate; Lane2: Rabbit Liver lysate; Lane3: Bovine Liver lysate; Lane4: Bovine Kidney lysate; Lane5: Canine Liver lysate; Lane6: Canine Kidney lysate

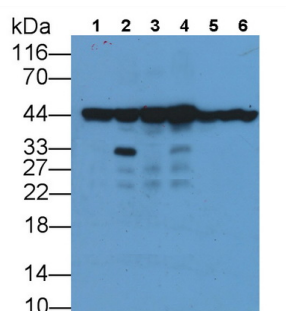
Primary Ab: 1µg/ml Mouse Anti-Multi-species ACTb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal

Antibody

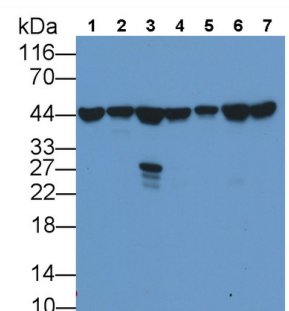
(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Human Lung lysate; Lane2: Human Placenta lysate; Lane3: Mouse Cerebrum lysate; Lane4: Mouse Liver lysate; Lane5: Rat Cerebrum lysate; Lane6: Rat Liver lysate; Lane7: Cavia Cerebrum lysate
Primary Ab: 1µg/ml Mouse Anti-Multi-



Western Blot; Sample: Lane1: Canine Cerebrum lysate; Lane2: Porcine Cerebrum lysate; Lane3: Bovine Cerebrum lysate; Lane4: Gallus Cerebrum lysate; Lane5: Equine Liver lysate; Lane6: Caprine Cerebrum lysate; lysate;



Western Blot; Sample: Lane1: DU145 cell lysate; Lane2: HL60 cell lysate; Lane3: THP1 cell lysate; Lane4: OS-RC-2 cell lysate; Lane5: HEC-1B cell lysate; Lane6: MDA-MB-435S cell lysate; Lane7: T-47D cell lysate
Primary Ab: 0.5µg/ml Mouse Anti-Multi-

species ACTb Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

Primary Ab: 0.5µg/ml Mouse Anti-Multi-
species ACTb Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

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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.