

PAB340Mi01

Polyclonal 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: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.3mg/mL

UOM: 100μL

Cross Reactivity: N/A

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.

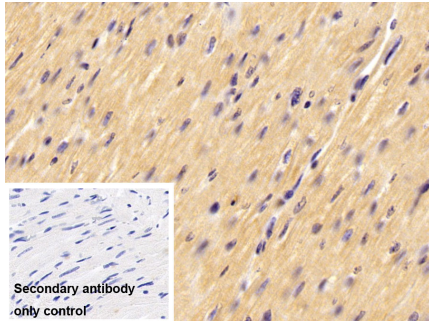
Store at 4°C for frequent use.

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;

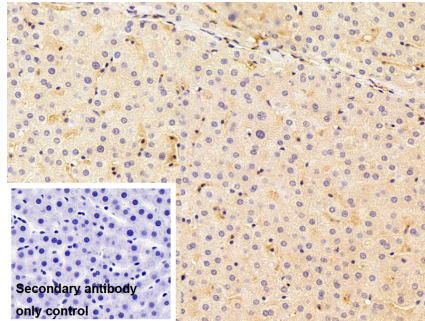
Sample: Rat Cardiac Muscle Tissue

Primary Ab: 10µg/ml Rabbit Anti-Multi-species ACTB Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

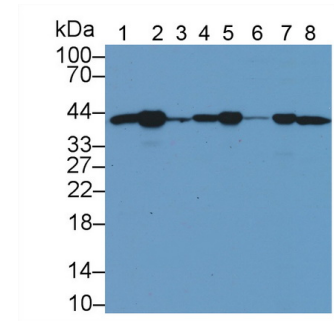
Sample: Rat Liver Tissue

Primary Ab: 10µg/ml Rabbit Anti-Multi-species ACTB Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Rat

Cerebrum lysate; Lane2: Rat Heart

lysate; Lane3: Mouse Liver lysate;

Lane4: Mouse Cerebrum lysate; Lane5:

Mouse Heart lysate; Lane6: Porcine

Liver lysate; Lane7: Porcine Cerebrum

lysate; Lane8: Porcine Heart lysate

Primary Ab: 1µg/mL Rabbit Anti-Multi-species ACTb Ab

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

Antibody

(Catalog: SAA544Rb19)

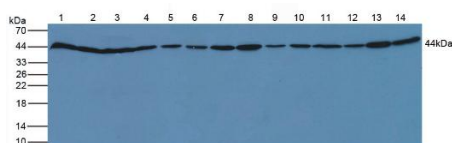


Figure. Western Blot; Sample: Lane1:

Human HeLa Cells; Lane2: Human

HepG2 Cells; Lane3: Human MCF-7

Cells; Lane4: Human BXPc-3 Cells;

Lane5: Human A875 Cells; Lane6:

Human A431 Cells; Lane7: Human Raji

Cells; Lane8: Human RAW264.7 Cells;

Lane9: Human PC-3 Cells; Lane10:

Human SGC7901 Cells; Lane11:

Human HL60 Cells; Lane12: Human
A-375 Cells; Lane13: Human Jurkat
Cells; Lane14: Human SKOV3 Cells.

[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.