



CAB340Hu22

Anti-Actin Beta (ACTb) Monoclonal Antibody

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Purification: Protein A/G Affinity Chromatography.

Traits: Liquid

Concentration: 500µg/mL

UOM: 10µg

Applications: WB

[IMMUNOGEN]

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

Accession No.: RPB340Mi01

[ORGANISM SPECIES MORE]

React with: human, mouse, rat, cavia, ovine, canine, porcine, equine, gallus, and bovine;

Other species have not been detected.

[APPLICATIONS]

Western blotting: 0.5-2ug/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.

[QUALITY CONTROL]

Content: The quality control contains recombinant ACTb disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 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]

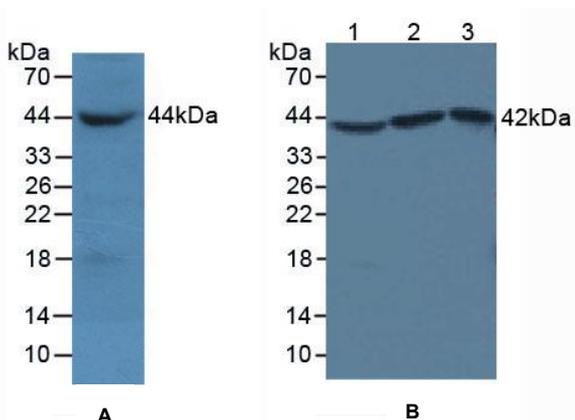


Figure 1. Western Blot

A. Sample: Recombinant ACTb, Human

B. Lane1: Human HeLa Cells

Lane2: Human Lung Tissue

Lane3: Human A549 Cells

Primary Ab: 3µg/mL Mouse Anti-Human ACTb Ab

Second Ab: 1:5000 Dilution of HRP-Linked Rabbit

Anti-Mouse IgG Ab (Catalog: SAA544Mu09)