

RPB340Mi01 50µg

Recombinant Actin Beta (ACTb)

Organism Species: Homo sapiens (Human)

Mus musculus (Mouse)

Rattus norvegicus (Rat)

Cavia (Guinea pig)

Ovis aries; Ovine (Sheep)

Canis familiaris; Canine (Dog)

Sus scrofa; Porcine (Pig)

Equus caballus; Equine (Horse)

Chicken (Gallus)

Bos taurus; Bovine (Cattle)

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: Prokaryotic expression.

Host: *E. coli*

Residues: Met1~Phe375

Tags: N-terminal His-Tag

Subcellular Location: Cytoplasm, cytoskeleton.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.6

Predicted Molecular Mass: 43.3kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

Note: 100% cross-reactivity of ACTb was observed among human, mouse, rat, cavia, ovine, canine, porcine, equine, gallus, and bovine.

[**USAGE**]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°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

