

**PAB340Mi01**

**Polyclonal Antibody to Actin Beta (ACTb)**  
**Organism Species: Homo sapiens (Human)**

**Mus musculus (Mouse)**

**Rattus norvegicus (Rat)**

**Cavia (Guinea pig)**

**Canis familiaris; Canine (Dog)**

**Ovis aries; Ovine (Sheep)**

**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

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12th Edition (Revised in Aug, 2016)

## **[ PROPERTIES ]**

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific Affinity Chromatography.

**Traits:** Liquid

**Concentration:** 200µg/mL

**UOM:** 100µg

**Applications:** WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

## **[ 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

Immunocytochemistry in formalin fixed cells: 5-20ug/ml

Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml

Immunohistochemistry in paraffin section: 5-20ug/ml

Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml

Optimal working dilutions must be determined by end user.

## **[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 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% NaN<sub>3</sub>.

## **[ STORAGE AND STABILITY ]**

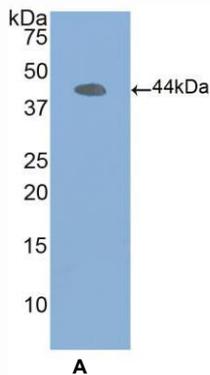
**Storage:** Avoid repeated freeze/thaw cycles.

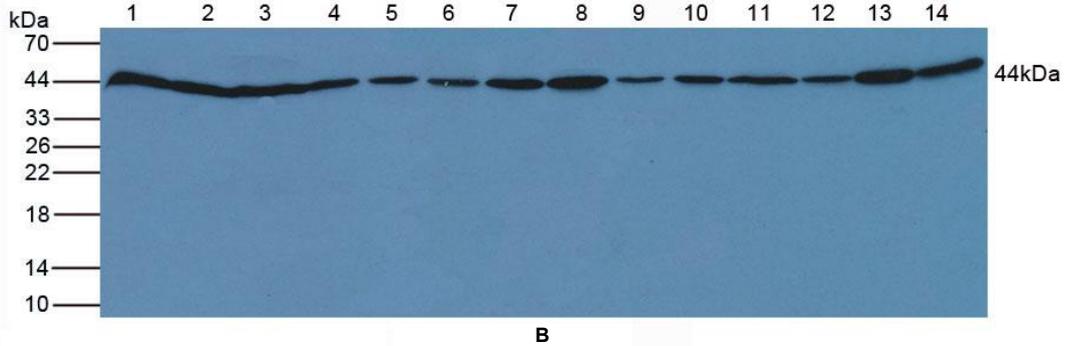
Store at 4°C for frequent use.

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 ]**





**Figure1. Western Blot**

**A. Sample: Recombinant ACTb**

**B.**

**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;**

**Primary Ab:  $\mu\text{g/mL}$  Rabbit Anti-Human ACTb Ab**

**Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig**

**Anti-Rabbit Ab (Catalog: SAA544Rb59)**