



**CAB342Mi01**

**Anti-Actin Alpha 2, Smooth Muscle (ACTa2) Polyclonal Antibody**

***Instruction manual***

FOR 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:** 1mg/mL

**UOM:** 100µg(100µl)

**Applications:** WB

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant ACTa2 (Ile167~Phe377) expressed in *E.coli*.

**Accession No.:** RPB342Mi01

## **[ ORGANISM SPECIES MORE ]**

**React with:** Human, mouse, rat, cavia, ovine, canine, porcine, bovine;

Other species have not been detected.

## **[ APPLICATIONS ]**

Western blotting: 1:500-2000

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.

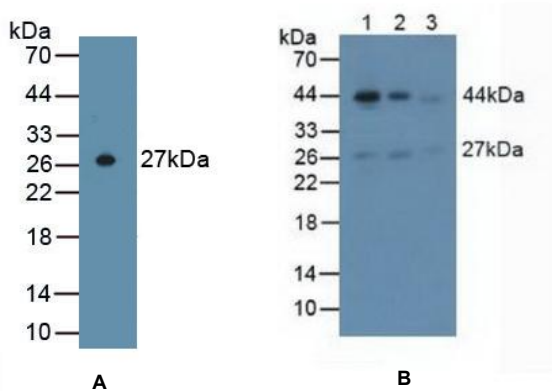
Store at 4°C for frequent use.

Aliquot and store at -20°C for 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 ACTa2, Human**

**B. Lane1: Mouse Brain Tissue**

**Lane2: Mouse Heart Tissue**

**Lane3: Mouse Skeletal Muscle Tissue**

**Primary Ab: 1:500 Dilution of Rabbit Anti-Human ACTa2 Ab**

**Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)**

## [ Important Note ]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.