

## Basic Information

|                    |  |
|--------------------|--|
| Product Name       | Anti-Beta Actin/ACTB HRP Conjugated Antibody (Clone#B2001)                   |
| Gene Name          | ACTB   |
| Source             | Mouse  |
| Clonality          | Monoclonal   |
| Isotype            | IgG1   |
| Species Reactivity | human, mouse, rat, hamster, monkey   |
| Tested Application | WB   |
| Contents           | Purified antibody in PBS with 0.05% sodium azide and 0.5% protein stabilizer |
| Immunogen          | A synthesized peptide derived from human beta Actin                          |
| Purification       | Immunogen affinity purified.   |
| Observed MW        | 42 kDa(不适用于心肌样本的检测)  |
| Dilution Ratios    | Western blot (WB):1:500-2000   |

## Storage

12 months from date of receipt, -20°C as supplied.

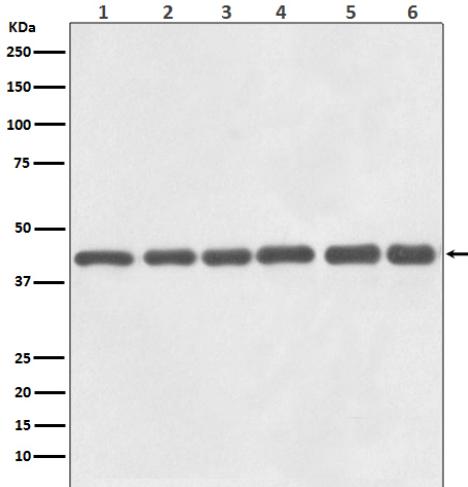
## Background Information

The primary site of action of cytochalasin B on cell motility processes is beta-actin. Habets et al.(1992) generated hybrids that harbor only specific regions of human chromosome 7 and assigned the ACTB locus to 7p15-p12. ACTB and the other assigned beta-actin-related sequences are dispersed over at least four different chromosomes including one locus assigned to the X chromosome. A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia.

## Reference

Anti-Beta Actin/ACTB HRP Conjugated Antibody (Clone#B2001)被引用在15文献中。

## Selected Validation Data



Western blot analysis of beta Actin expression in (1) Hela cell lysate, (2) Human liver lysate, (3) 3T3 cell lysate, (4) Mouse brain lysate, (5) PC12 cell lysate, (6) Rat heart lysate.