

# β-Actin Rabbit pAb

Catalog No.: AC006 **135 Publications**

## Basic Information

### Observed MW

42kDa

### Calculated MW

42kDa

### Category

Loading control antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins that are ubiquitously expressed. Mutations in this gene cause Baraitser-Winter syndrome 1, which is characterized by intellectual disability with a distinctive facial appearance in human patients. Numerous pseudogenes of this gene have been identified throughout the human genome.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

60

### Swiss Prot

P60709

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-375 of human β-Actin (NP\_001092.1).

### Synonyms

BRWS1; PS1TP5BP1; β-Actin

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

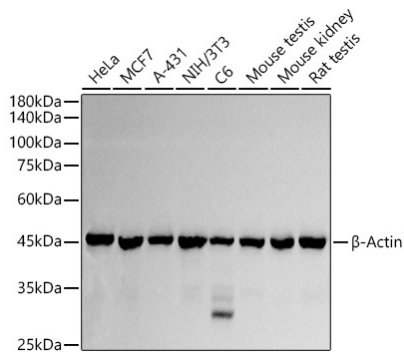
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates using  $\beta$ -Actin Rabbit pAb (AC006) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.