

# HRP-conjugated $\beta$ -Actin Mouse mAb

Catalog No.: AC043 6 Publications

## Basic Information

### Observed MW

42 kDa

### Calculated MW

42 kDa

### Category

Loading control antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human, Mouse, Rat, Monkey

### Clone/No. number

AMC0001

### Conjugate

HRP

## Recommended Dilutions

**WB** 1:2000 - 1:50000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL.  
Please optimize the concentration based on your specific assay requirements.

## 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.

## Immunogen Information

### Gene ID

60

### Swiss Prot

P60709

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

BRWS1; PS1TP5BP1; HRP-conjugated  $\beta$ -Actin

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG1,Lambda

### Purification

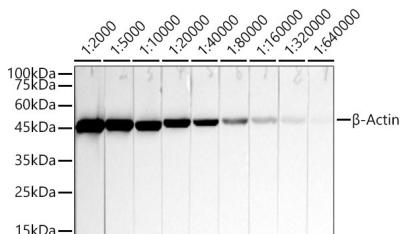
Affinity purification

### Storage

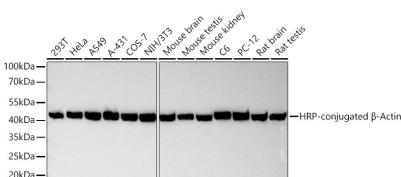
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from HeLa, using HRP-conjugated β-Actin Rabbit mAb (AC043) at 1:2000-1:640000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10 s.



Western blot analysis of various lysates using HRP-conjugated β-Actin Mouse mAb (AC043) at 1:10000 dilution incubated overnight at 4°C.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5 s.