

# β-Actin Rabbit mAb

Catalog No.: AC038    Recombinant    292 Publications

## Basic Information

### Observed MW

42 kDa

### Calculated MW

42 kDa

### Category

Loading control antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat, Chicken, Zebrafish, Pig

### Clone/No. number

ARC5115-01

## 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**                    1:10000 - 1:100000

**IHC-P**                1:400 - 1:5000

**ELISA**                Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

**Swiss Prot**

60

P60709

### Immunogen

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

### Synonyms

BRWS1; PS1TP5BP1; β-Actin

## Contact

	400-999-6126
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	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

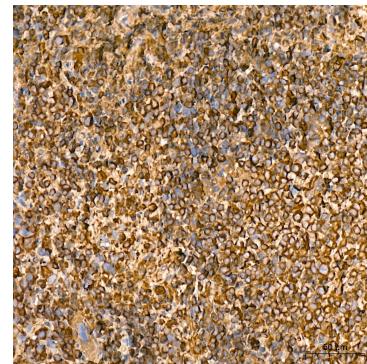
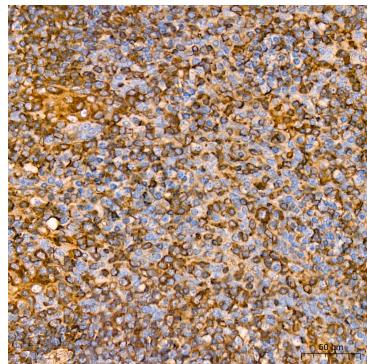
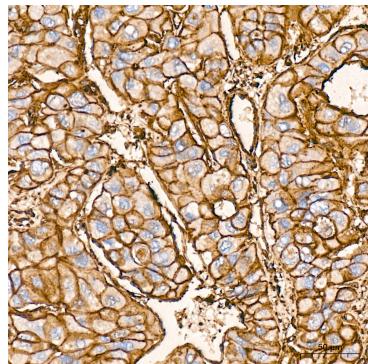
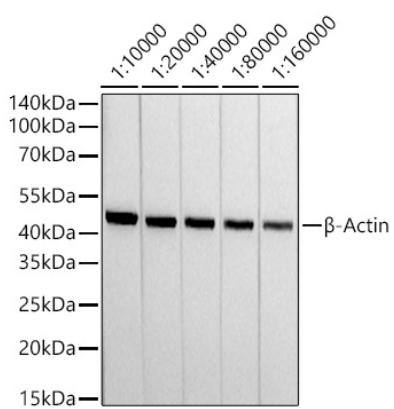
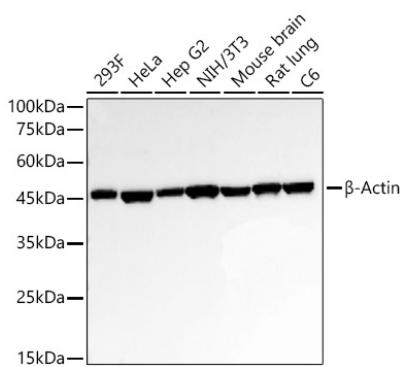
Affinity purification

### Storage

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

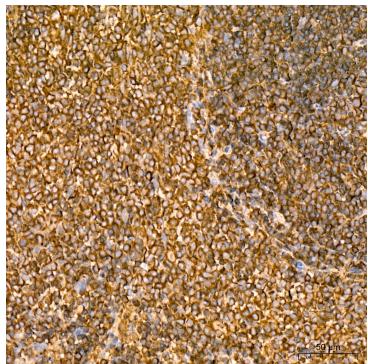
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using  $\beta$ -Actin Rabbit mAb (AC038) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.