

# $\beta$ -Actin Rabbit mAb (High Dilution)

Catalog No.: AC026

Recombinant

2022 Publications

## Basic Information

### Observed MW

42kDa

### Calculated MW

42kDa

### Category

Loading control antibody

### Applications

WB,IHC-P,(ELISA)

### Cross-Reactivity

Human, Mouse, Rat, Chicken, Zebrafish,  
Pig

### CloneNo number

ARC5115-01

## Recommended Dilutions

**WB** 1:50000 - 1:200000**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## 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.

**Note** Due to the high antibody titer, it is advisable to be diluted before use. Please dilute 5 $\mu$ L of the antibody solution with 45 $\mu$ L of PBS solution, containing 50% glycerol. The diluted antibody can be stored at -20°C.

## Immunogen Information

### Gene ID

60

### Swiss Prot

P60709

### Immunogen

Recombinant protein of human  $\beta$ -actin

### Synonyms

BRWS1; PS1TP5BP1;  $\beta$ -Actin

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

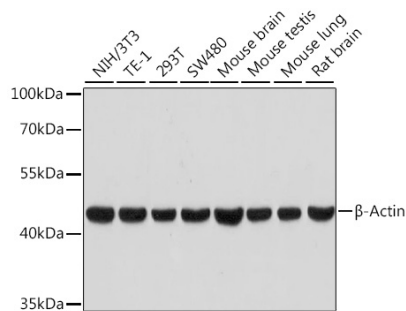
Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using  $\beta$ -Actin Rabbit mAb (High Dilution) (AC026) at 1:100000 dilution.

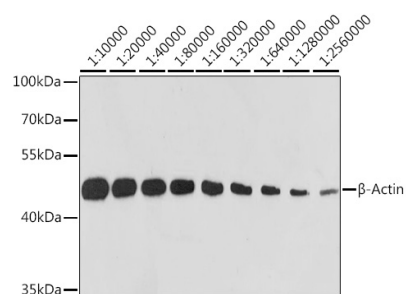
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of lysates from HeLa cells, using  $\beta$ -Actin Rabbit mAb (High Dilution) (AC026) at 1:10000-1:2560000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

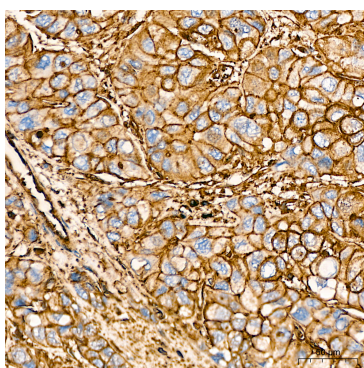
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

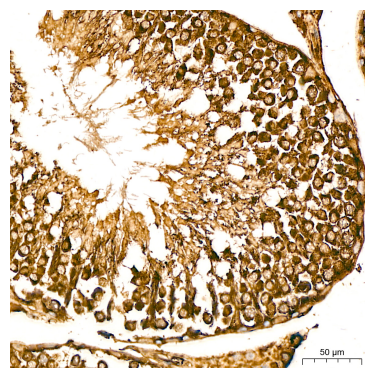
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (AC026) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (AC026) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (AC026) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.