

# $\beta$ -Actin Rabbit mAb

Catalog No.: AC048 **Recombinant**

## Basic Information

**Observed MW**

42kDa

**Calculated MW**

42kDa

**Category**

Loading control antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC5115-02

## Recommended Dilutions

**WB** 1:10000 - 1:140000**IHC-P** 1:500 - 1:1000

## 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 of human  $\beta$ -Actin**Synonyms**BRWS1; PS1TP5BP1;  $\beta$ -Actin

## Contact

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

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

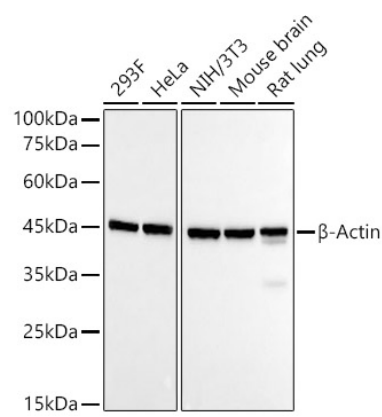
Affinity purification

**Storage**

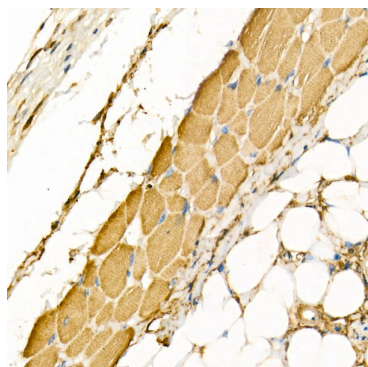
Store at -20°C. Avoid freeze / thaw cycles.

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

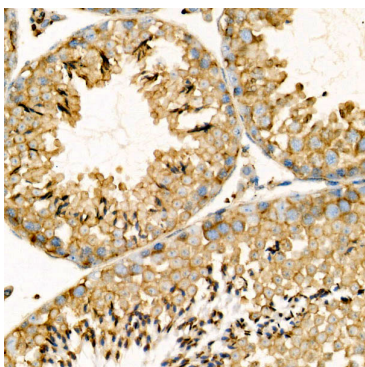
Validation Data



Western blot analysis of various lysates, using β-Actin Rabbit mAb (AC048) at 1:120000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Immunohistochemistry analysis of β-Actin in paraffin-embedded Human skeletal muscle using β-Actin Rabbit mAb (AC048) at dilution of 1:800 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of β-Actin in paraffin-embedded mouse testis using β-Actin Rabbit mAb (AC048) at dilution of 1:800 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.