

β-Actin Rabbit mAb

Catalog No.: AC038 **Recombinant** **75 Publications**

Basic Information

Observed MW

45kDa

Calculated MW

42kDa

Category

Loading control antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat, Chicken,
Zebrafish, Pig

CloneNo number

ARC5115-01

Recommended Dilutions

WB 1:10000 - 1:100000

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 β-Actin

Synonyms

BRWS1; PS1TP5BP1

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

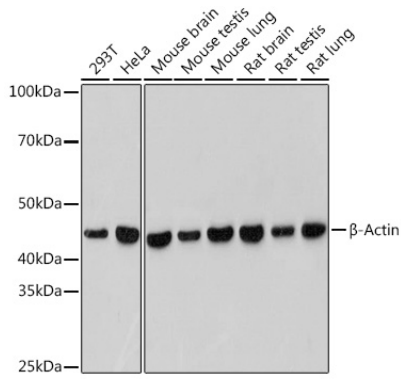
Affinity purification

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 extracts of various cell lines, using β -Actin antibody (AC038) at 1:50000 dilution.

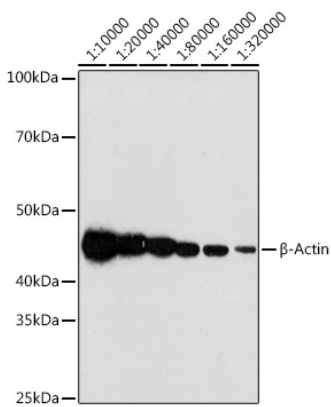
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of extracts of HeLa cells, using β -Actin antibody (AC038) at 1:10000-1:320000 dilution.

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

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.