

β -Actin Rabbit mAb

Catalog No.: AC038

Recombinant

142 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

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

Immunogen Information

Gene ID

60

Swiss Prot

P60709

Immunogen

Recombinant protein of human β -Actin

Synonyms

BRWS1; PS1TP5BP1; β -Actin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

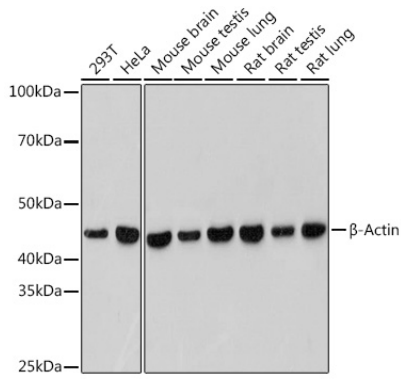
Affinity purification

Storage

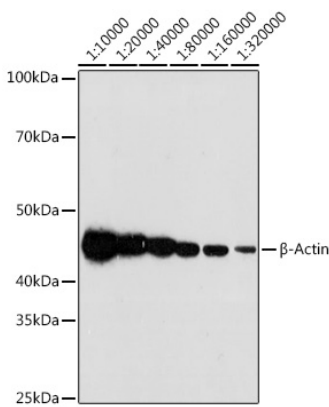
Store at -20°C. Avoid freeze / thaw cycles.

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 (AC038) at 1:50000 dilution.
Secondary antibody: HRP-conjugated 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 lysates from HeLa cells, using β -Actin Rabbit mAb (AC038) at 1:10000-1:320000 dilution.
Secondary antibody: HRP-conjugated 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.