

β -Actin Rabbit pAb

Catalog No.: AC006

131 Publications

Basic Information

Observed MW

42kDa

Calculated MW

42kDa

Category

Loading control antibody

Applications

WB

Cross-Reactivity

Human, Mouse, Rat

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 1:500 - 1:1000

Immunogen Information

Gene ID

60

Swiss Prot

P60709

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-375 of human β -Actin (NP_001092.1).

SynonymsBRWS1; PS1TP5BP1; β -Actin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

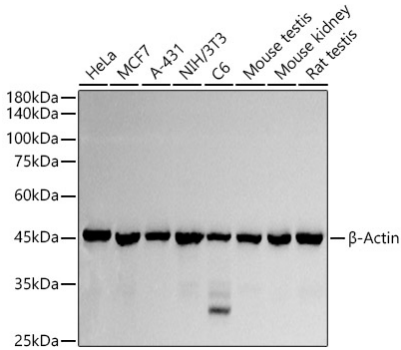
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using β -Actin Rabbit pAb (AC006) at 1:1000 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: 1s.