

β -Actin Rabbit mAb (High Dilution)

Catalog No.: AC026

Recombinant

2108 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	1:80000-1:640000
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IHC-P	1:100 - 1:500
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ELISA	Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
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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 μ L of the antibody solution with 45 μ 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 β -actin

Synonyms

BRWS1; PS1TP5BP1; β -Actin

Product Information

Source

Rabbit

Isotype

IgG

Purification

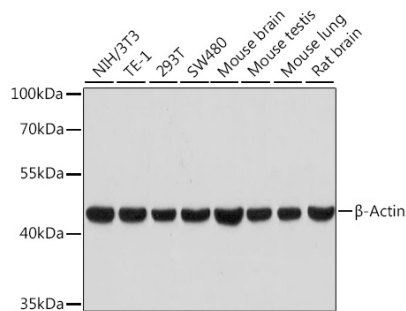
Affinity purification

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 β -Actin Rabbit mAb (High Dilution) (AC026) at 1:100000 dilution.

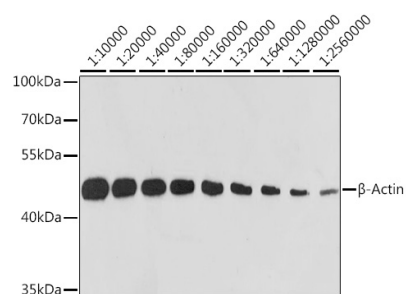
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ 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 β -Actin Rabbit mAb (High Dilution) (AC026) at 1:10000-1:2560000 dilution.

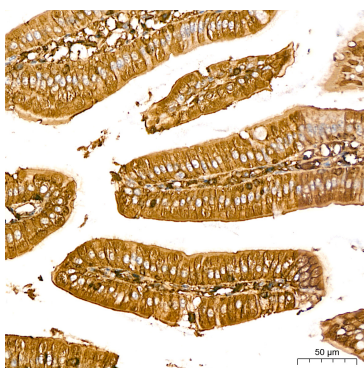
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

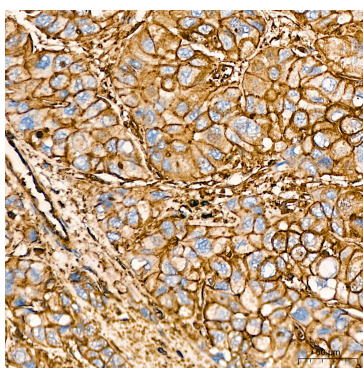
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

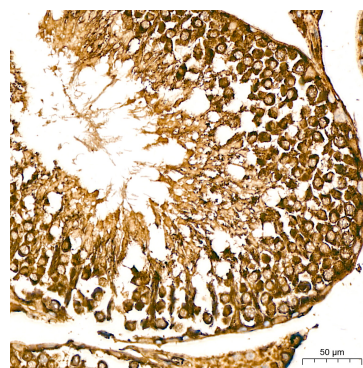
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using β -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 β -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 β -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.