

β -Actin Rabbit mAb

Catalog No.: AC048

Recombinant

7 Publications

Basic Information

Observed MW

42kDa

Calculated MW

42kDa

Category

Loading control antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC5115-02

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 - 1:140000**IHC-P** 1:500 - 1:1000**IF/ICC** 1:200 - 1:800**ELISA** Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

60

Swiss Prot

P60709

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

BRWS1; PS1TP5BP1; β -Actin

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

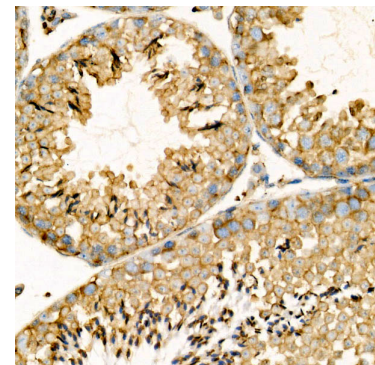
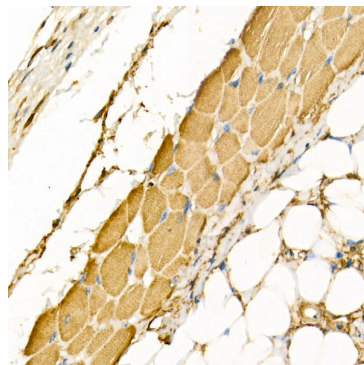
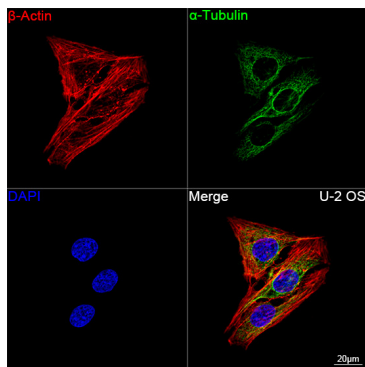
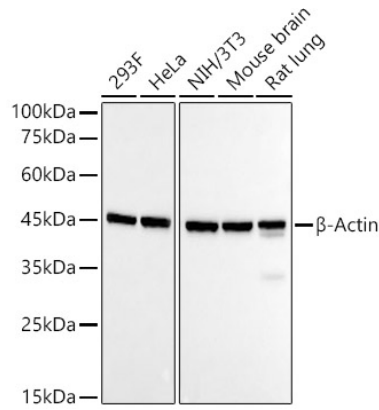
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Confocal imaging of U-2 OS cells using β -Actin Rabbit mAb (AC048, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using β -Actin Rabbit mAb (AC048) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse testis using β -Actin Rabbit mAb (AC048) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.