

# ABflo® 700 β-Actin Mouse mAb

Catalog No.: AC068NFB

## Basic Information

### Observed MW

42 kDa

### Calculated MW

42kDa

### Category

Loading control antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

AMC0001R

### Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

## Recommended Dilutions

**WB (Fluorescence)** 1:10000 - 1:30000

**.Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)** a sequential dilution method is strongly recommended to ensure measurement accuracy.

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

### Synonyms

BRWS1; PS1TP5BP1; ABflo® 700 β-Actin

## Product Information

### Source

Mouse

### Isotype

IgG1, Lambda

### Purification

Affinity purification

### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.2% BSA, 0.09% sodium azide, pH7.3.

## Contact

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 | 400-999-6126

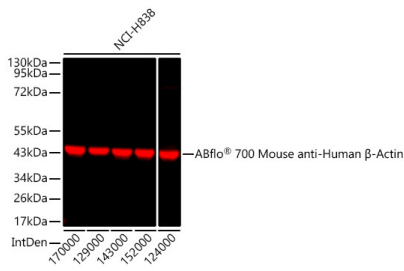
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## Validation Data

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Western blot analysis of lysates from NCI-H838 cells using ABflo® 700  $\beta$ -Actin Mouse mAb (AC068NFB) at 1:10000 dilution incubated overnight at 4°C.  
Lysates/proteins: 30  $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.