

# Actin (plant specific) Mouse mAb

Catalog NO.: AC009 **123 Publications**

## Basic Information

### Observed MW

45 kDa

### Calculated MW

45 kDa

### Category

Loading control Antibodies

### Applications

WB, ELISA

### Cross-Reactivity

Various Plants

### Conjugation

Unconjugated

### Clone number

AMC0496

## Background

Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.

## Recommended Dilutions

**WB** 1:5000 - 1:20000

### ELISA

Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID** **Swiss Prot**

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

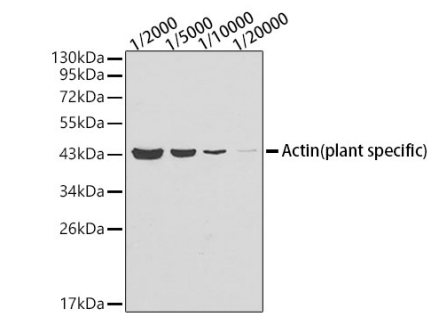
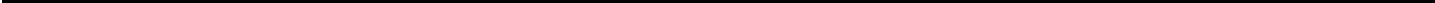
## Contact

## Product Information

|                                     |  |                      |
|-------------------------------------|--|----------------------|
| <input checked="" type="checkbox"/> |  | order@abclonal.com   |
| <input checked="" type="checkbox"/> |  | service@abclonal.com |
| <input checked="" type="checkbox"/> |  | www.abclonal.com     |

| Source                                                                                                                                           | Isotype | Purification          |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|
| Mouse                                                                                                                                            | IgG1    | Affinity purification |
| <b>Storage</b>                                                                                                                                   |         |                       |
| Store at -20°C. Avoid freeze / thaw cycles.                                                                                                      |         |                       |
| Buffer: PBS containing 50% glycerol and 1% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. |         |                       |

Validation Data

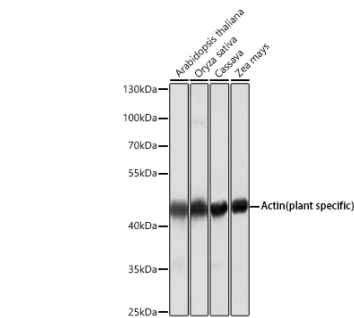


Western blot analysis of lysates from Arabidopsis thaliana tissue using Actin (plant specific) Mouse mAb (AC009) at 1:2000-1:20000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.



Western blot analysis of various lysates using Actin (plant specific) Mouse mAb (AC009) at 1:5000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30 s.

