

# Actin (plant specific) Mouse mAb

Catalog No.: AC009 **71 Publications**

## Basic Information

### Observed MW

45kDa

### Calculated MW

45kDa

### Category

Loading control antibody

### Applications

ELISA, WB

### Cross-Reactivity

Various Plants

### CloneNo 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 1:2000 - 1:5000

## Immunogen Information

### Gene ID

### Swiss Prot

### Immunogen

A synthetic peptide corresponding to Actin (plant specific).

### Synonyms

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG1

### Purification

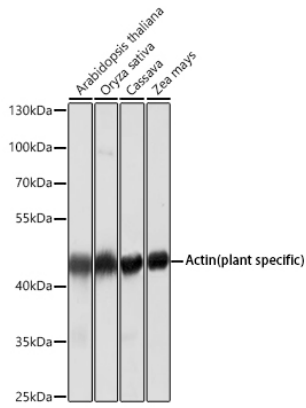
Affinity purification

### Storage

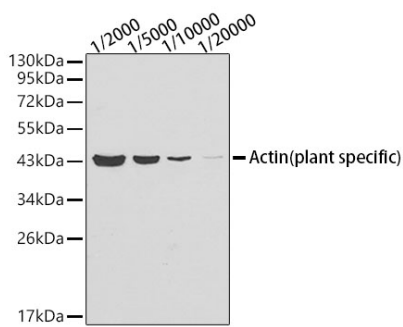
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 1% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of various tissues from Arabidopsis thaliana, 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: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Western blot analysis of lysates from Arabidopsis thaliana tissue using Actin (plant specific) Mouse mAb (AC009).  
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.