

## Mouse anti plant actin mAb

**Reactivity:** Arabidopsis, Oryza sativa, Nicotiana tabacum

**Tested applications:** WB

**Recommended Dilution:** WB 1:1000 - 1:2000

**Calculated MW:** 45kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant Protein of plants actin

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AT3G46520; ACTIN; actin-12

**Catalog #:** AC009

**Antibody Type:**

Monoclonal Antibody

**Species:** Mouse

**Isotype:** IgG

**Purity:** Affinity purification

For research use only.

**Background:**

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. As an essential component of cell cytoskeleton, actin plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. In plants, actin preferentially expressed in young and expanding tissues, floral organ primordia, developing seeds, and emerging inflorescence. It displays a very high expression level in mature pollen and pollen tubes.

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