

Plant actin Mouse Monoclonal Antibody(Q30)

Catalog No: RCA46

Basic Information

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| Host species | Mouse |
| Applications | WB |
| Species Cross-Reactivity | Various Plants |
| Specificity | Antibody can detects endogenous plant actin protein. |
| Recommended dilutions | WB: 1:2,000-5,000 Optimal dilutions should be determined by the end user. |

Applications

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| Formulation | PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Concentration | 1 mg/ml |
| Clonality | Monoclonal |

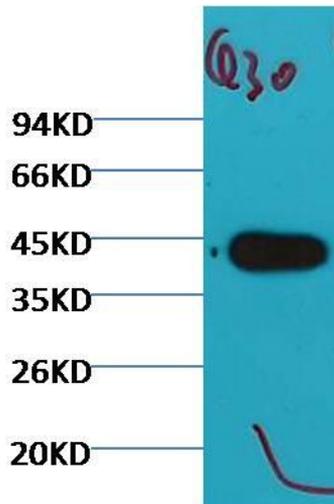
Background

| | |
|-------------------------|-----|
| Alternative Names | N/A |
| Observed band | 43 |
| Human Gene ID | |
| Human Swiss-Prot Number | N/A |

Background

Actin is a highly conserved protein and an essential component of cell cytoskeleton and plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. Preferentially expressed in young and expanding tissues, floral organ primordia, developing seeds and emerging inflorescence. Antibodies against plant Actin are useful as loading controls for Western Blotting.

Selected Validation Data



Western blot analysis of Arabidopsis with plant actin Mouse mAb (Q30) diluted at 1:5,000