

## Plant actin mouse mAb(Q30) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A41011	Mouse	1 mg/ml	

<b>Applications</b>	WB
<b>Reactivity</b>	VariousPlants
<b>Dilution</b>	WB: 1:2000-5000
<b>Storage</b>	-20°C/1 year
<b>Specificity</b>	The antibody detects endogenous plant actin protein.
<b>Source / Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Immunogen</b>	Recombinant Protein of Plant actin
<b>Uniprot No</b>	
<b>Alternative names</b>	
<b>Form</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	
<b>Conjugation</b>	
<b>Background</b>	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. Arabidopsis has a complex actin gene family that encodes six protein subclasses. One of the classes is represented by the proteins ACT2 and ACT8, which are similar proteins, but have different flanking sequences, introns and silent nucleotide positions in codons. ACT8 is expressed in root, stems, leaves, flowers, pollen and siliques.
<b>Other</b>	

### Product Images:

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation

IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster

X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All

Species Expected

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*For life science research only. Not for use in diagnostic procedures.*

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