



Plant actin Monoclonal Antibody(Q30)

Catalog No	YP-Ab-04745
Isotype	IgG
Reactivity	VariousPlants
Applications	WB
Gene Name	
Immunogen	Recombinant Protein of Plant actin
Specificity	The antibody detects endogenous plant actin protein.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	WB: 1:2000-5000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACTB;Actin;β actin;2D4H5;Actin cytoplasmic 1;Plant actin
Observed Band	43kD
Calculated Molecular Weight	43kD
Cell Pathway	
Tissue Specificity	
Function	
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. 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.

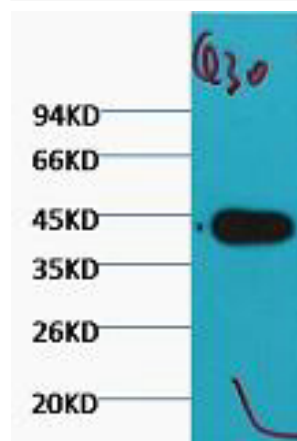
**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of Arabidopsis, (Q30) diluted at 1:5000