

M5 Act11(26F7)mAb for Plants

Mouse monoclonal Antibody

使用说明书

产品名称	单位	货号
M5 Act11 (26F7)Mouse mAb	100 μ l	MF088-01

【STORAGE】

Store at -20°C. Stable for one year from the date of shipment.

【BACKGROUND】

As one of the most conserved cytoskeleton protein, actin participates in cell movement, secretion, phagocytosis and kinesis, etc. In plants, exogenous application of hormones initiates a variety of processes directed by the cytoskeleton, such as cell proliferation, expansion and differentiation. Arabidopsis has eight functional actin genes which were grouped into two phylogenetic classes, reproductive, and vegetative, and to five subclasses. ACT11, a reproductive actin represents a unique and ancient actin subclass in the complex Arabidopsis actin gene family. It expresses strongly in mature pollen, glowing pollen tubes, ovules and, to a certain extent in embryos and young meristematic tissue and plays distinct and required roles during Arabidopsis development.

【REFERENCES】

1.Huang S, An YQ, McDowell JM,et al The Arabidopsis ACT11 actin gene is strongly expressed in tissues of the emerging inflorescence, pollen, and developing ovules. Plant Mol Biol. 1997,33(1):125-39.

【SOURCE】

This monoclonal antibody is produced by immunizing mice with Arabidopsis ACT11 full-length protein.

【SPECIFICITY】

ACT11 (26F7) Mouse mAb detects endogenous level of total ACT11 protein.

【REACTIVITY】

Arabidopsis, Oryza sativa, Nicotiana tabacum

【ISOTYPE】

Mouse IgG

【PREDICTED MOLECULAR WEIGHT】

42 kDa

【IMPORTANT】

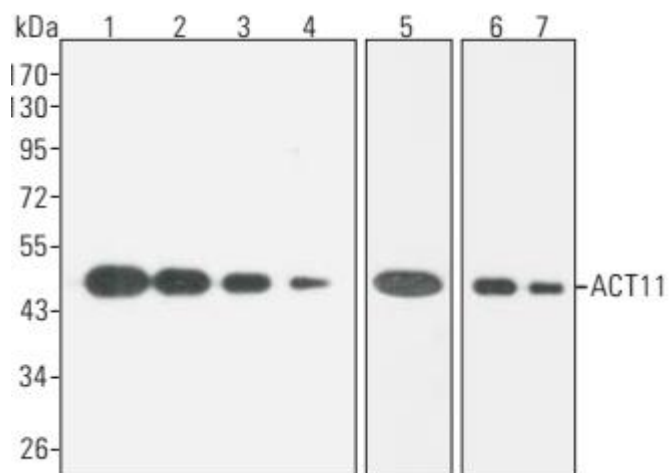
Use an anti-mouse secondary antibody to detect the antibody.

【RECOMMENDED ANTIBODY DILUTIONS】

Western blotting 1:5000

For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight.

【APPLICATION DATA】



Western blot analysis of lysates from various tissue using ACT11 (26F7) Mouse mAb. Lane 1: Arabidopsis, 1:1000; Lane 2: Arabidopsis, 1:2000; Lane 3: Arabidopsis, 1:5000; Lane 4: Arabidopsis, 1:10000; Lane 5: Oryza sativa, 1:1000; Lane 6: Nicotiana tabacum, 1:2000; Lane 7: Nicotiana tabacum, 1:5000.

【备注】

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。