

DISCONTINUED ACT | Actin (monoclonal)

Cat PA00225

Size 50 µg

Host

Mouse

Clonality

Monoclonal

Confirmed reactivity

Arabidopsis thaliana, Solanum lycopersicum

Immunogen

ca. 100 amino acids of recombinant actin conserved more than 80 % in Arabidopsis thaliana: actin-1 P0CJ46 AT2G37620, actin-2 Q96292 AT3G18780, actin-3 P0CJ47AT3G53750, actin-4 P53494 AT5G59370, actin-5 Q8RYC2 At2g42100, actin-7 P53492 At5g09810, actin-8 Q96293 AT1G49240, actin-11 P53496, AT3G12110, actin-12 P53497 AT3G46520

Host

Mouse

Clonality

Monoclonal

Purity

Affinity purified, in PBS pH 7.4

Format

Liquid

Storage

Store at -20°C for up to 1 year. Make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

Application

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

41.6 | 45 kDa

Confirmed reactivity

Arabidopsis thaliana, Solanum lycopersicum

Predicted reactivity

Agropyron cristatum, Beta vulgaris, Betula luminifera, Brassica napus, Brassica rapa subsp. pekinensis, Capsella rubella, Castanea sativa, Chorispora bungeana, Cyanidioschyzon merolae strain 10D, Glycine max, Glycine soja, Halogeton glomeratus, Medicago truncatula, Malus domestica, Oryza sativa, Pisum sativum, Solanum lycopersicum, Solanum tuberosum, Phaseolus vulgaris, Picea abies, Picea sitchensis, Prunus avium, Ricinus communis, Rubus plicatus, Theobroma cacao, Triticum aestivum, Zea mays, Vicia faba

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Description

Actin, a highly conserved protein, is an important part of the cytoskeleton and plays an important role in cytoplasmic flow, cell shape determination, cell division, organelle movement and extension growth. It is preferentially expressed in buds and expanding tissues, flower organ primordium, developing seeds and forming inflorescences.

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