

ACT | Actin (polyclonal)



Cat. No. APA-GA-170

Lot. No. (See product label)

Product Name

ACT | Actin (polyclonal)

Host

Rabbit

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 P0CJ47 AT3G53750, actin-4 P53494 AT5G59370, actin-5 Q8RYC2 At2g42100, actin-7 P53492 At5g09810, actin-8 Q96293 AT1G49240, actin-11 P53496, AT3G12110, actin-12 P53497 AT3G46520

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.

Format

Lyophilized

Clonality

Polyclonal

Purity

Serum

Quantity

50 µl

Reactivity

Agrostis stolonifera cv. 'Penncross', Arabidopsis thaliana, Brassica sp., Cannabis sativa L., Cucumis sativus, Cynara cardunculus, Glycine max, Hordeum vulgare, Nicotiana tabacum, Phaseolus vulgaris, Phoenix dactylifera, Picrorhiza kurroa, Setaria italica, Solanum tuberosum, Triticum aestivum, Zea mays

Confirmed reactivity

Agrostis stolonifera cv. 'Penncross', Arabidopsis thaliana, Brassica napus, Cucumis sativus, Cyathobasis fruticulosa, Cynara cardunculus, Fragaria x ananassa, Glycine max, Hordeum vulgare, Nicotiana tabacum, Petrosimonia nigdeensis, Phaseolus vulgaris, Phoenix dactylifera, Picrorhiza kurroa, Salsola grandis, Salsola tragus, Setaria italica, Solanum tuberosum, Triticum aestivum, Zea mays, Vigna unguiculata

Predicted reactivity

Agropyron cristatum, Beta vulgaris, Betula luminifera, Brassica rapa subsp. pekinensis, Daucus carota, Cannabis sativa L., Capsella rubella, Castanea sativa, Chorispura bungeana, Cyanidioschyzon merolae strain 10D, Glycine soja, Halogeton glomeratus, Ipomoea batatas, Manihot esculenta, Medicago truncatula, Malus domestica, Oryza sativa, Pisum sativum, Populus sp., Solanum lycopersicum, Solanum tuberosum, Phaeodactylum tricornutum, Picea abies, Picea sitchensis, Prunus avium, Ricinus communis, Rubus plicatus, Theobroma cacao, Trebouxia sp., Vicia faba

Not reactive in

Chlamydomonas reinhardtii (too high background for this species)

Reconstitution

For reconstitution add 50 µl of sterile water

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Expected/apparent MW

41.6 | 45 kDa

Tested applications

immunofluorescence (IF), Western blot (WB)

Recommended dilution

1-100 - 1 : 250 (IF), 1 : 3000-1 : 5000 (WB)

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

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