

# ACT | Actin (polyclonal)

Cat PA00190

Size 50  $\mu$ l

## Host

Rabbit

## Clonality

Polyclonal

## Confirmed reactivity

Agostis 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

## 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

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## Purity

Serum

## Format

Lyophilized

## Reconstitution

For reconstitution add 50  $\mu$ l of sterile water

## 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.

## Application

immunofluorescence (IF), Western blot (WB)

## Recommended dilution

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

## Expected | apparent MW

41,6 | 45 kDa

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## Predicted reactivity

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Agropyron cristatum, Beta vulgaris, Betula luminifera, Brassica rapa subsp. pekinensis, Daucus carota, Cannabis sativa L. , Capsella rubella, Castanea sativa, Chorispora 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)

## Additional information

Antibody available in 3 various pack sizes: 50, 100 and 150  $\mu$ l - Please inquire. This product can be sold containing ProClin if requested.

## 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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