

Product no [AS16 3139](#)**Anti-ACT 1,3,4,12 | Actin 1, 3, 4, 12 (clone mAB45a (5-15 H7C5))****Product information**

Immunogen	Full-length recombinant <i>Arabidopsis thaliana</i> Actin-1 (ACT1) expressed in <i>E.coli</i> , Uniprot: P0CJ46
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1
Purity	IgG1 immunoglobulin purified on Protein G in 0.1 M Sodium Phosphate, pH 7.4, 0.15 M NaCl, 0.05% (w/v) sodium azide.
Format	Liquid
Quantity	100 µg
Storage	Store at -20°C. 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.
Additional information	This antibody is a total IgG fraction purified on a protein G column, It recognizes the epitope Asn79 of actins ACT1, 3, 4, 12

Application information

Recommended dilution	1-2 µg/ml (WB)
Expected apparent MW	45 45 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i> !!AIR8!! <i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Clonorchis sinensis</i> , <i>Cucurbita maxima</i> , <i>Cucumis sativus</i> , <i>Genlisea aurea</i> , <i>Glycine soja</i> , <i>Gossypium arboreum</i> , <i>Gossypium hirsutum</i> , <i>Litsea cubeba</i> , <i>Medicago truncatula</i> , <i>Narcissus tazetta</i> var. <i>chinensis</i> , <i>Phaseolus vulgaris</i> , <i>Platycodon grandiflorus</i> , <i>Paulownia tomentosa</i> , <i>Populus trichocarpa</i> , <i>Phaseolus vulgaris</i> , <i>Prunus avium</i> , <i>Ricinus communis</i> , <i>Solanum tuberosum</i> , <i>Striga asiatica</i> , <i>Theobroma cacao</i>
	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Exact working dilution needs to be determined by end user
Selected references	Kandasamy , M.K. et al. (2012). Plant vegetative and animal cytoplasmic actins share functional competence for spatial development with protists. <i>Plant Cell</i> . 24, 2012 May;24(5):2041-57. doi: 10.1105/tpc.111.095281 Kandasamy , M.K. et al. (2001). One plant actin isovariant, ACT7, is induced by auxin and required for normal callus formation. <i>Plant Cell</i> . Jul;13(7):1541-54 Kandasamy , M.K. et al. (1999). The late pollen-specific actins in angiosperms. <i>Plant Journal</i> . Jun;18(6):681-91.