

Product no **AS16 3141****ACT | Actin (monoclonal, clone mAbGPa 10-B3)****Product information**

Immunogen	Full length recombinant <i>Arabidopsis thaliana</i> Actin-8 (ACT8) expressed in <i>E.coli</i> , Uniprot: Q96293
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG2b
Purity	Immunoglobulin IgG2b, Protein G purified in 0.1M Sodium Phosphate, pH 7.4. Contains 0.15M 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 purified on a protein G column. It recognizes <i>Arabidopsis</i> actins ACT1, 2, 3, 4, 7, 8, 11, 12 and <i>Dictyostelium</i> actin

Application information

Recommended dilution	1-2 µg/ml (WB)
Expected apparent MW	45 45 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Dictyostelium discoideum</i>
Predicted reactivity	<i>Actinidia deliciosa</i> , <i>Brachypodium sylvaticum</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Camelina sativa</i> , <i>Camellia lipoensis</i> , <i>Cucumis sativus</i> , <i>Dendrocalamus latiflorus</i> , <i>Dionaea muscipula</i> , <i>Gossypium sp.</i> , <i>Eucalyptus grandis</i> , <i>Euphorbia lathyris</i> , <i>Gynura bicolor</i> , <i>Ficus microcarpa</i> , <i>Haloxylon ammodendron</i> , <i>Helianthus annuus</i> , <i>Hevea brasiliensis</i> , <i>Lilium regale</i> , <i>Medicago sativa</i> , <i>Mimosa pudica</i> , <i>Nitraria sibirica</i> , <i>Oryza sativa subsp. japonica</i> , <i>Oryza sativa subsp. indica</i> , <i>Oxytropis ochrocephala</i> , <i>Paeonia lactiflora</i> , <i>Panax notoginseng</i> , <i>Populus trichocarpa</i> , <i>Prunus avium</i> , <i>Ricinus communis</i> , <i>Striga asiatica</i> , <i>Theobroma cacao</i> , <i>Torenia fournieri</i> , <i>Trifolium pratense</i> , <i>Ziziphus jujuba</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Selected references	Nuamzanej et al. (2024) . Impact of polyvinyl chloride (PVC) microplastic on growth, photosynthesis and nutrient uptake of <i>Solanum lycopersicum</i> L. (Tomato). <i>Environ Pollut.</i> 2024 Apr 16:123994. doi: 10.1016/j.envpol.2024.123994. Sultan et al. (2017) . The Reverse Transcriptase/RNA Maturase Protein MatR Is Required for the Splicing of Various Group II Introns in Brassicaceae Mitochondria. <i>Plant Cell.</i> 2016 Nov;28(11):2805-2829. 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