

Product no **AS16 3140****ACT 2,8,11 | Actin 2, 8, 11 (clone mAb13a)****Product information**

Immunogen	Full length recombinant <i>Arabidopsis thaliana</i> Actin-2 (ACT2) expressed in <i>E.coli</i> , Uniprot: Q96292
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1
Purity	IgG1 immunoglobulin purified on Protein G in 0.1M Sodium Phosphate, pH 7.4, 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 a total IgG fraction, purified on a protein G column. It recognizes actin isoforms ACT2, 8, and 11.

Application information

Recommended dilution	1-2 µg/ml (WB)
Expected apparent MW	45 45 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i>
Predicted reactivity	<i>Actinidia deliciosa</i> , <i>Brachypodium sylvaticum</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Cucumis sativus</i> , <i>Dionea muscipula</i> , <i>Euphorbia lathyris</i> , <i>Ficus microcarpa</i> , <i>Gentlisea aurea</i> , <i>Gossypium sp.</i> , <i>Hevea brasiliensis</i> , <i>Medicago sativa</i> , <i>Medicago truncatula</i> , <i>Oryza sativa subsp. japonica</i> , <i>Oxytropis ochrocephala</i> , <i>Panax notoginseng</i> , <i>Populus trichocarpa</i> , <i>Phaseolus vulgaris</i> , <i>Prunus avium</i> , <i>Striga asiatica</i> , <i>Theobrom cacao</i> , <i>Torenia fournieri</i> , <i>Trifolium pratense</i> , <i>Vaccinium ashei</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
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. Plant Cell 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. Plant Cell. Jul;13(7):1541-54. Kandasamy, M.K., et al. (1999). The late pollen-specific actins in angiosperms. Plant Journal. Jun;18(6):681-9.