

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

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| <b>Immunogen</b>              | Full-length recombinant <i>Arabidopsis thaliana</i> Actin-2 (ACT2) expressed in <i>E.coli</i> , Uniprot: <a href="#">Q96292</a>  |
| <b>Host</b>                   | Mouse  |
| <b>Clonality</b>              | Monoclonal   |
| <b>Subclass/isotype</b>       | IgG1   |
| <b>Purity</b>                 | 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.  |
| <b>Format</b>                 | Liquid   |
| <b>Quantity</b>               | 100 µg   |
| <b>Storage</b>                | 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. |
| <b>Additional information</b> | This antibody is a total IgG fraction, purified on a protein G column. It recognizes actin isoforms ACT2, 8, and 11.   |

**Application information**

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| <b>Recommended dilution</b>   | 1-2 µg/ml (WB)  |
| <b>Expected   apparent MW</b> | 45   45 kDa   |
| <b>Confirmed reactivity</b>   | <i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i> !!AIR8!! <i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i>  |
| <b>Predicted reactivity</b>   | <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? <a href="#">Contact us</a>   |
| <b>Not reactive in</b>        | No confirmed exceptions from predicted reactivity are currently known   |
| <b>Additional information</b> | Exact working dilution needs to be determined by end user   |
| <b>Selected references</b>    | <a href="#">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.</a><br><a href="#">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.</a><br><a href="#">Kandasamy, M.K., et al. (1999). The late pollen-specific actins in angiosperms. Plant Journal. Jun;18(6):681-9.</a>   |