

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännas | Sweden | +46 035 33000 | www.agrisera.com

product AS10 702 Actin-11

product information

Actin is a highly conserved protein and an essential component of cell

cytoskeleton and plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth.

Preferentially expressed in young and expanding tissues, floral organ primordia,

developing seeds and emerging inflorescence.

immunogen full length <u>ACT11</u> (Actin-11) from *Arabidopsis thaliana*, accession number

NP_187818.1

antibody format mouse monoclonal IgG2b lyophilized

quantity 100 μg for reconstitution add 100 μl, of sterile water.

storage store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid

repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material

adhering to the cap or sides of the tubes.

Shelf life of this product is one year from the data of shipment.

tested applications western blot (WB), immunofluorescence (IF)

related products AS13 2640 | anti-ACT | actin, rabbit antibody

AS10 681 | Anti-tubulin beta chain, rabbit antibody AS10 680 | Anti-tubulin alpha chain, rabbit antibody

additional information Antibody has been affinity purified.

application information

recommended dilution 1:1000 with standard ECL (WB), 1:700 (IF)

expected | apparent 41.6 | 45 kDa

W VV

Oryza sativa, Solanum tuberosum, Zea mays

predicted reactivity dicots including: Glycine max, Pisum sativun, Ricinus communis, monocots, trees:

Picea abies, Chlamydomonas reinhardtii

not reactive in no confirmed exceptions from predicted reactivity known in the moment

additional information This antibody is not suitable as a loading control for tissues from various organs of

cauliflower including seeds.

selected references <u>Dmitrović</u> et al. (2015). Essential oils of two Nepeta species inhibit growth and induce oxidative stress in ragweed (Ambrosia artemisiifolia L.) shoots in vitro.

Acta Physiologiae Plantarum, February 2015, 37:64.

Weiste and Dröge-Laser (2014). The Arabidopsis transcription factor bZIP11 activates auxin-mediated transcription by recruiting the histone acetylation machinery. Nat Commun. 2014 May 27;5:3883. doi: 10.1038/ncomms4883. Weits et al. (2014). Plant cysteine oxidases control the oxygen-dependent branch of the N-end-rule pathway. Nat Commun. 2014 Mar 6;5:3425. doi:

10.1038/ncomms4425.