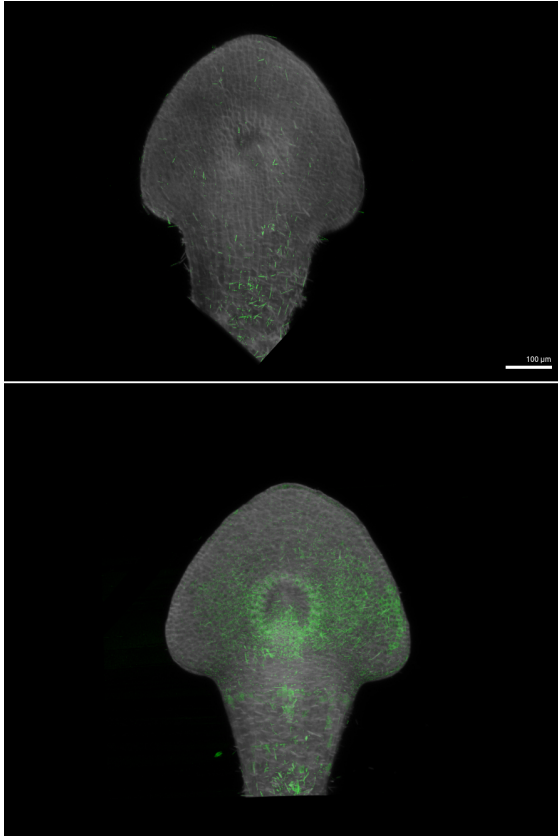


Product no **AS21 4697****Anti-PIN2 | Auxin efflux carrier component 2 (monoclonal)****Product information**

Immunogen	KLH-conjugated mixture of two synthetic peptides derived from <i>Arabidopsis thaliana</i> PIN2 protein sequence, UniProt: Q9LU77 , TAIR: At5g57090
Host	Mouse
Clonality	Monoclonal
Purity	Antigen affinity purified serum, in PBS pH 7,4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 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

Application information

Recommended dilution	1 : 200 (IL)
Expected apparent MW	69.3 kDa
Confirmed reactivity	<i>Zea mays</i>
Predicted reactivity	<i>Arabidopsis thaliana</i> , <i>Beta vulgaris</i> , <i>Brassica napus</i> , <i>Camelina sativa</i> , <i>Cannabis sativa</i> , <i>Capsella rubella</i> , <i>Cucumis melo</i> , <i>Eucalyptus grandis</i> , <i>Eutrema salsugineum</i> , <i>Glycine max</i> , <i>Malus domestica</i> , <i>Morus notabilis</i> , <i>Prunus dulcis</i> , <i>Raphanus sativus</i> , <i>Spinacia oleracea</i> , <i>Vitis vinifera</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Tanigawa et al. (2024) . FYVE1/FREE1 is involved in glutamine-responsive TORC1 activation in plants. <i>iScience</i> . 2024 Aug 26;27(9):110814. doi: 10.1016/j.isci.2024.110814.



Type of material: Maize coleoptile stage embryos Fixation: formaldehyde | Methanol, 37°C. Both FFA and Methanol, sequentially.
Hydrophilization: yes Cell wall digestion: yes Membrane permeabilization: Proteinase K incubation Antigen retrieval: no Blocking buffer: 3% BSA in 1x PBS Washing buffer: 1x PBS-T Primary antibody dilution and incubation time: 1% BSA in 1x PBS, 1:50, overnight at 4°C. Secondary antibody: 1% BSA in 1x PBS, 1:50, overnight at 4°C, Alexa fluor-488 (Anti-Rabbit and -Mouse, Thermo Fisher) Co-staining of the nucleus (DAPI): no Cell wall and nucleus staining: Calcofluor white