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Product no AS22 4810

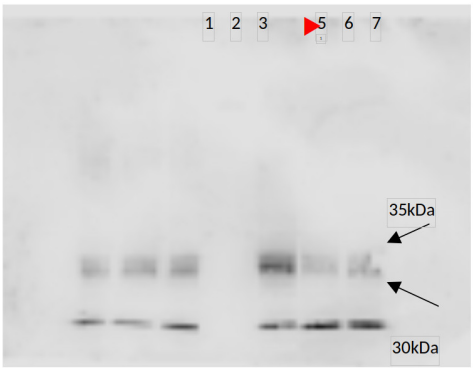
Anti-PIP2;1, PIP2;2, PIP2;3 | Plasma membrane intrinistic protein 2-1, 2-2, 2-3

Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* PIP2 proteins: P43286, At3g53420 , AtPIP2-2 P43287, At2g37170 , AtPIP2-3 P30302, At2g37180
Host	Rabbit
Clonality	Polyclonal
Purity	Affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile or deionized 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 : 1000 (WB)
Expected | apparent MW	30 kDa (PIP2.1); ~35 kDa ((PIP2.2); 30 kDa (PIP2.3)
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Physcomitrium patens, Solanum tuberosum, Zea mays* Species of your interest not listed? Contact us
Not reactive in	*Allium sativum*
Selected references	To be added when available, antibody available in February 2024.



Samples:
1-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT1, experiment 1
2-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT1, experiment 2
3-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT1, experiment 3
Mark: MW markers (too weak to visualize)
5-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT2, experiment 1
6-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT2, experiment 2
7-30 ug of *Arabidopsis thaliana* root microsome preparation (MP) WT2, experiment 3

30 µg/well of total protein extracted freshly from *Arabidopsis thaliana* roots. Exact buffer components were: 330 mM sucrose, 100 mM KCl,1 mM EDTA, 5 mM DTT, 50 mM Tris/MES, pH 7.5 + protease inhibitor cocktail, and denatured with 70°C 10 min. Samples were separated in the 12% SDS-PAGE and blotted for 1h to nitrocellulose, using: semi-dry transfer. Blot was blocked with 0.3% BSA for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 10 000 with agitation in TBS-T ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, Agrisera AS09 602) diluted to 1: 25 000 in for 1h/RT with

agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: ÂgriseraBright. Exposure time was 6 minutes.

Courtesy of Tatsiana Straub, University of Hohenheim, Germany