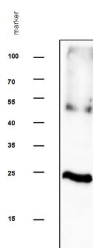


Product no **AS12 2619****TIP2 | Tonoplast intrinsic protein 2;1, 2;2, 2;3****Product information**

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|-----------------------|--|
| Immunogen | KLH-conjugated synthetic peptide conserved in <i>Arabidopsis thaliana</i> TIP2;1 (100 %) UniProt: Q41951 , TAIR: AT3G16240 , TIP2;2 (90%) UniProt: Q41975 , TAIR: AT4G17340 , TIP2;3 (81%) UniProt: Q9FGL2 , TAIR: AT5G47450 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Purity | Immunogen affinity purified serum in PBS pH 7.4. |
| Format | Lyophilized |
| Quantity | 200 µg |
| Reconstitution | For reconstitution add 200 µl of sterile water |
| Storage | Store lyophilized/reconstituted 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. |

Application information

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|-------------------------------|---|
| Recommended dilution | 1:100 (IL), 1 : 1000 -1 : 2000 (WB) |
| Expected apparent MW | 25.6 24 kDa (<i>Arabidopsis thaliana</i>) |
| Confirmed reactivity | <i>Arabidopsis thaliana</i> , <i>Quercus suber</i> |
| Predicted reactivity | <i>Antirrhinum majus</i> , <i>Brassica oleracea</i> , <i>Chorispora exscapa</i> , <i>Gossypium mexicanum</i> , <i>Helianthus annuus</i> , <i>Medicago truncatula</i> , <i>Malus prunifolia</i> , <i>Nicotiana tabacum</i> , <i>Populus balsamifera</i> subsp. <i>trichocarpa</i> , <i>Raphanus sativus</i> , <i>Ricinus communis</i> , <i>Solanum nigrum</i> , <i>Solanum tuberosum</i> , <i>Vitis vinifera</i> , <i>Quercus petraea</i> Species of your interest not listed? Contact us |
| Not reactive in | No confirmed exceptions from predicted reactivity are currently known |
| Additional information | Protein or membrane sample should be treated at 70°C for 10 min before loading on the gel |

Application example

10 µg of total protein from *Arabidopsis thaliana* roots (Ecotype-Columbia) were separated on 12% SDS-PAGE and blotted 1h to PVDF membrane. Blots were blocked with 5% low-fat milk powder for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 over night 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 (0.05% Triton X.100) at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated from donkey diluted to 1:15 000 in for 1h at RT with agitation. The blot was washed as above and developed with chemiluminescent reagent, according to the manufacturer's instructions. Exposure time was 5 seconds.

Courtesy of Dr. Azeez Suliman Beebo, University of Gothenburg, Sweden