

Anti-Sucrose transport protein SUC2 antibody

Catalog: PHY0762A

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | ATSUC2 is high-affinity transporter essential for phloem loading and long-distance transport. A major sucrose transporter, AtSUC2 can also transport a wide range of physiological and synthetic glucose conjugates with both α - or β -linkage. |
| Synonyms: | SUC2, ARABIDOPSIS THALIANA SUCROSE-PROTON SYMPORTER 2, ATSUC2, SUCROSE TRANSPORTER 1, SUCROSE-PROTON SYMPORTER 2, SUT1 |
| Immunogen: | KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> SUC2 (AT1G22710). |
| Form: | Lyophilized |
| Quantity: | 150 μ g |
| Purification: | Immunogen affinity purified |
| Reconstitution: | Reconstitution with 150 μ l of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube". |
| Stability & Storage: | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution. |
| Shipping: | The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above. |

Application Information

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| Recommended Dilution: | Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user. |
| Expected / apparent MW: | 55 / 53 kDa |
| Confirmed Reactivity: | <i>Arabidopsis thaliana</i> |

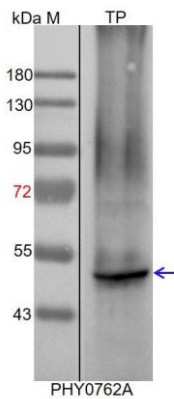
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



TP: 20 µg total protein from *Arabidopsis thaliana*.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.