

# Anti-Phosphate transporter PHO1 antibody

Catalog: PHY0730S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	PHO1 (AT3G23430) is a protein with the mainly hydrophilic N-terminal and the C-terminal containing membrane-spanning domains and it has been proposed to function as a Pi transporter. It has been proved that PHO2 (AT2G33770) modulates the degradation of PHO1 in the endomembranes to maintain Pi homeostasis in plants. Arabidopsis contains 11 PHO proteins: PHO1 (AT3G23430), PHO1;H1 (AT1G68740), PHO1;H2 (AT2G03260), PHO1;H3 (AT1G14040), PHO1;H4 (AT4G25350), PHO1;H5 (AT2G03240), PHO1;H6 (AT2G03250), PHO1;H7 (AT1G26730), PHO1;H8 (AT1G35350), PHO1;H9 (AT3G29060), PHO1;H10 (AT1G69480).
<b>Synonyms:</b>	PHO1, ARABIDOPSIS PHOSPHATE 1, ATPHO1, PHOSPHATE 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (19 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PHO1 (AT3G23430).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150 µl of sterile water. "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".
<b>Stability &amp;</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the
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Research Use Only

end user.

**Expected / apparent MW:**

91 kDa

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).