

# Anti-Pyrophosphate-energized membrane proton pump 2 antibody

Catalog: PHY1009S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	VHP2;1 is a type II H <sup>+</sup> -PPases that localizes to and function as a proton pump of the Golgi apparatus in most tissues except for mature leaves. VHP2;1 had an additional characteristic, namely Zn <sup>2+</sup> -dependent activity.
<b>Synonyms:</b>	VHP2;1, ATVHP2;1, AVP2, AVPL1, VACUOLAR H <sup>+</sup> -PYROPHOSPHATASE 2, VACUOLAR-PYROPHOSPHATASE LIKE PROTEIN 1, VP2.
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of VHP2;1 derived from <i>Arabidopsis thaliana</i> AT1G78920.
<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 150µl 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; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.
<b>Reference:</b>	Shoji Segami, et al., Plant Cell Physiol. 2010, 51; 1350-1360.

## Application Information

<b>Applications:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected Results:</b>	73 kDa

Research Use Only

**Confirmed Reactivity:**

*Arabidopsis thaliana*

**Predicted Reactivity:**

The sequence of the synthetic peptide used for immunization is 85% homologues with the sequence in VHP2;2 (AT1G16780).

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