

# Anti-V-type proton ATPase subunit E1/2/3, N-terminal antibody

Catalog: PHY3320S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	VHA-E1/2/3 is subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.
<b>Synonyms:</b>	VHA-E1/2/3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (13 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> VHA-E1 (AT4G11150), VHA-E2 (AT3G08560), VHA-E3 (AT1G64200).
<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>	Katsuhisa Yoshida, et al., Plant Cell Physiol. 54(10): 1571–1584 (2013).

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	26 kDa (VHA-E1), 27 kDa (VHA-E2/3)

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Solanum tuberosum*, *Brassica napus*, *Brassica rapa*, *Glycine max*, *Vitis vinifera*, *Medicago truncatula*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Gossypium raimondii*, *Populus trichocarpa*, *Medicago truncatula*, *Spinacia oleracea*, *Cucumis sativus*.

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