

# Anti-Vacuolar H<sup>+</sup>-ATPase subunit D antibody

Catalog: PHY1330A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The vacuolar-type H <sup>(+)</sup> -ATPase acidifies intracellular compartments and is essential for many processes, including cotransport, guard cell movement, development, and tolerance to environmental stress. There are at least 26 subunits of the vacuolar-type H <sup>(+)</sup> -ATPase in the <i>Arabidopsis thaliana</i> . The pump consists of subunits A through H of the peripheral V(1) complex, and subunits a, c, c" and d of the V(o) membrane sector.
<b>Synonyms:</b>	VHA-D ,V-ATPase, D
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> VHA-D (AT3G58730).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl 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".
<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.

## 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>	29 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

Among analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Triticum aestivum*, *Hordeum vulgare*, *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Cucumis sativus*, *Nicotiana tabacum*, *Glycine max*, *Panicum virgatum*, *Zea mays*, *Sorghum bicolor*, *Setaria viridis*, *Oryza sativa Japonica Group*, *Gossypium raimondii*, *Medicago truncatula*, *Solanum lycopersicum*, *Vitis vinifera*, *Solanum tuberosum*.

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