

Anti-V-type proton ATPase subunit E1/3 antibody

Catalog: PHY1035A

Product Information

Description:	Rabbit polyclonal antibody
Background:	VHA-E1/3 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.
Synonyms:	VHA-E1/3
Immunogen:	KLH-conjugated synthetic peptide (21 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> VHA-E1 (AT4G11150) and VHA-E3 (AT1G64200).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	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".
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

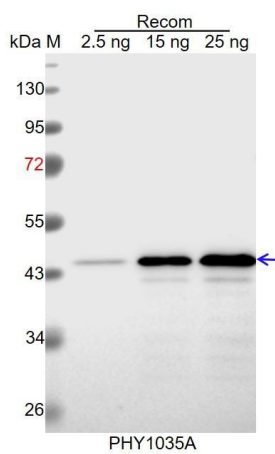
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	26 kDa (VHA-E1), 27 kDa (VHA-E3) / 27 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Vitis vinifera</i> , <i>Solanum tuberosum</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Zea mays</i> , <i>Medicago truncatula</i> , <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Triticum aestivum</i> , <i>Gossypium raimondii</i> ,

Research Use Only

Oryza sativa Japonica Group, Panicum virgatum, Setaria viridis, Sorghum bicolor, Populus trichocarpa, Spinacia oleracea, Cucumis sativus, Hordeum vulgare subsp. vulgare, Triticum aestivum, Medicago truncatula.

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

Application Example



Recom: 2.5 ng, 15 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 kDa.

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: 1:1000 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.