Anti-Vacuolar H+-ATPase, subunit c antibody

Catalog: PHY3466A

Product Information

Description:	Rabbit polyclonal antibody
Background:	V-ATPase c subunit is located in vacuole and is involved in ATP synthesis coupled proton transport.
Synonyms:	VHA-C
Immunogen:	KLH-conjugated synthetic peptide (14 aa from central section) derived from *Arabidopsis thaliana* VHA-C1 (AT4G34720), VHA-C2 (AT1G19910), VHA-C3 (AT4G38920), VHA-C4 (AT1G75630), and VHA-C5 (AT2G16510).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

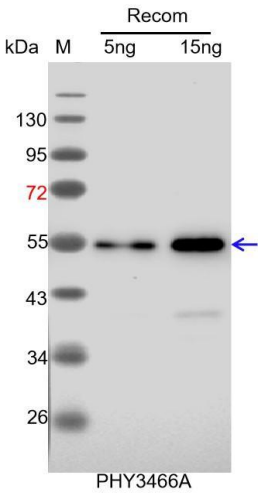
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	17 kDa
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 *Brassica rapa*, *Brassica napus*, *Gossypium raimondii*, *Glycine max*, *Vitis vinifera*, *Spinacia oleracea*, *Cucumis sativus*, *Populus trichocarpa*,

Medicago truncatula, and 80-99% homologues with the sequence in *Nicotiana tabacum*, *Solanum lycopersicum*, *Panicum virgatum*, *Zea mays*, *Oryza sativa*, *Setaria viridis*.

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

Application Example



Recom: 5 ng and 15 ng recombinant proteincontaining the peptide for immunization and having a molecular mass of 55 kDa.

Electrophoresis: 12% SDS-PAGE.

Transfer: blotting to NC (nitrocellulose) membrane for 1h.

Blocking: 5% skim milk at RT or 4℃ for 1h.

Primary antibody: 1:1000 dilution overnight at 4℃.

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.