

Anti-Plasma membrane H⁺-ATPase antibody

Catalog: PHY2380A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Belongs to the P-type ATPase superfamily of cation-transporting ATPases, pumps protons out of the cell, generating a proton gradient that drives the active transport of nutrients by proton symport. has two autoinhibitory regions within the C-terminal domain. Its plasma membrane localization is light-dependent.
Synonyms:	H ⁺ ATPase, AHA, ATHA, H(+)-ATPASE, HA, PLASMA MEMBRANE PROTON ATPASE, PMA
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> H ⁺ ATPase (AT4G30190/AT2G18960/AT2G24520/AT5G62670/AT5G57350/ AT3G47950/ AT2G07560/ AT1G80660/AT1G17260/AT3G42640).
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:	105 kDa

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 *Glycine max*, *Brassica napus*, *Vitis vinifera*, *Medicago truncatula*, *Brassica rapa*, *Oryza sativa*, *Sorghum bicolor*, *Physcomitrium patens*, *Solanum tuberosum*, *Gossypium raimondii*, *Cucumis sativus*, *Populus trichocarpa*, *Zea mays*, *Panicum virgatum*, *Hordeum vulgare*, *Triticum aestivum*, *Setaria viridis*, *Spinacia oleracea*.

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