

Anti-Membrane-associated protein VIPP1, chloroplastic antibody

Catalog: PHY2589A

Product Information

Description:	Rabbit polyclonal antibody
Background:	VIPP1 protein in photosynthetic organisms is homologous to bacterial PspA, which protects plasma membrane integrity upon stresses. VIPP1 may be involved in the formation of thylakoids and maintenance of chloroplast envelopes. VIPP1 (AT1G65260) is also termed as pTAC4.
Synonyms:	VIPP1, IM30, PLASTID TRANSCRIPTIONALLY ACTIVE 4, PTAC4, VESICLE-INDUCING PROTEIN IN PLASTIDS 1
Immunogen:	KLH-conjugated synthetic peptide (18 aa from Central section) derived from <i>Arabidopsis thaliana</i> VIPP1 (AT1G65260).
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:	36 kDa
Confirmed Reactivity:	Coming soon

Research Use Only

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*, and 80-99% homologues with the sequence in *Solanum tuberosum*, *Nicotiana tabacum*, *Populus trichocarpa*, *Cucumis sativus*, *Oryza sativa*, *Medicago truncatula*, *Triticum aestivum*, *Zea mays*, *Physcomitrium patens*, *Gossypium raimondii*, *Hordeum vulgare*, *Glycine max*, *Vitis vinifera*, *Solanum lycopersicum*. For more species homologues information, please contact tech support at tech@phytoab.com.