Anti-CBL-interacting serine/threonine-protein kinase 23 antibody

Catalog: PHY2217S

Product Information

Description:	Rabbit polyclonal antibody
Background:	*Arabidopsis thaliana* CBL-interacting protein kinase 23 serves as a positive regulator of the potassium transporter AKT1 by directly phosphorylating AKT1. CIPK23 is activated by the binding of two calcineurin B-like proteins, CBL1 and CBL9.
Synonyms:	CIPK23, ATCIPK23, CBL-INTERACTING PROTEIN KINASE 23, LKS1, LOW-K+-SENSITIVE 1, PKS17, SNF1-RELATED PROTEIN KINASE 3.23, SNRK3.23, SOS2-LIKE PROTEIN KINASE 17
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from *Arabidopsis thaliana* CIPK23 (AT1G30270).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl of sterile water. "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

Applications:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected Results:	54 kDa

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Spinacia oleracea*, *Populus trichocarpa*, *Glycine max*, *Medicago truncatula*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Cucumis sativus*, *Vitis vinifera*.
For more species homologues information, please contact tech support at tech@phytoab.com.