Anti-Septum site-determining protein minD homolog, chloroplastic antibody

Catalog: PHY3778S

Product Information

Description:	Rabbit polyclonal antibody
Background:	MIND is a Ca2+ dependent ATPase required for correct positioning of the chloroplast division apparatus. Its ATPase activity is stimulated by AtMinE1, a topological specificity factor.
Synonyms:	MIND, ACCUMULATION AND REPLICATION OF CHLOROPLASTS 11, ARC11, ATMIND1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* AT5G24020.
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150μl 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

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

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Glycine max*, *Nicotiana tabacum*, *Vitis vinifera*, *Solanum tuberosum*, *Solanum lycopersicum*, *Gossypium raimondii*, *Brassica rapa*, *Populus trichocarpa*, *Glycine max*, and 80-99% homologues with the sequence in *Medicago truncatula*, *Spinacia oleracea*, *Physcomitrium patens*, *Chlamydomonas reinhardtii*.

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