

Anti-Chaperone protein ClpC1, chloroplastic antibody

Catalog: PHY1457A

Product Information

Description:	Rabbit polyclonal antibody
Background:	AT5G50920 encodes CLPC1 (Chaperone protein ClpC1), a chloroplastic AAA+ ATPase. It functions as a molecular chaperone powering protein import via the TIC translocon and mediates substrate degradation by the Clp protease.
Synonyms:	CLPC1, ATHSP93-V, CLPC, CLPC HOMOLOGUE 1, DCA1, DE-REGULATED CAO ACCUMULATION 1, HEAT SHOCK PROTEIN 93-V, HSP93-V
Immunogen:	KLH-conjugated synthetic peptide (19 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CLPC1 (AT5G50920).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	103 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica rapa</i> , <i>Brassica napus</i> , <i>Gossypium raimondii</i> , <i>Nicotiana tabacum</i> , <i>Solanum tuberosum</i> , <i>Solanum lycopersicum</i> , <i>Cucumis</i>

Research Use Only

sativus, *Vitis vinifera*.

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