

Anti-Chaperone protein ClpC2, chloroplastic antibody

Catalog: PHY7131S

Product Information

Description:	Rabbit polyclonal antibody
Background:	ClpC is a molecular chaperone of the Hsp100 family. There are two chloroplast-localized paralogs: ClpC1 (AT5G50920), ClpC2 (AT3G48870). ClpC2 may act as a suppressor of FtsH-mediated thylakoid membrane biogenesis and may enhance photoinhibition.
Synonyms:	CLPC2, ATCLPC, ATHSP93-III, HSP93-III
Immunogen:	KLH-conjugated synthetic peptide (17 aa from Central section) derived from <i>Arabidopsis thaliana</i> HSP93-III (AT3G48870).
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°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:	106 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica rapa</i> , <i>Brassica napus</i> , <i>Oryza sativa</i> , <i>Zea mays</i> , <i>Vitis</i>

Research Use Only

vinifera, *Cucumis sativus*, *Gossypium raimondii*, *Sorghum bicolor*,
Setaria viridis, *Panicum virgatum*.

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