

Anti-Chaperonin 10 subunit, chloroplastic antibody

Catalog: PHY0377S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Co-chaperonin complex is required for substrate encapsulation during assisting the folding of the unfolded protein with the chaperonin complex. Co-chaperonin also termed as GroES, Cpn10 and Hsp10. CPN10-I (AT3G60210) is a chloroplast-localized chaperonin 10 protein.
Synonyms:	CPN10-I, GROES
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> CPN10-I (AT3G60210).
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:	15 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 <i>Vitis</i>

Research Use Only

vinifera, *Populus trichocarpa*, and 80-99% homologues with the sequence in *Cucumis sativus*, *Glycine max*, *Triticum aestivum*, *Hordeum vulgare*, *Spinacia oleracea*, *Gossypium raimondii*, *Nicotiana tabacum*, *Medicago truncatula*, *Panicum virgatum*, *Solanum lycopersicum*, *Solanum tuberosum*, *Sorghum bicolor*, *Setaria viridis*, *Oryza sativa*, *Zea mays*.

The sequence of the synthetic peptide used for immunization is 93% homologues with the sequence in CPN10 (AT2G44650).

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