

Anti-Chaperonin 60 subunit alpha 1, chloroplastic antibody

Catalog: PHY0653S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Type I chaperonins are large, double ring complexes involved in mediating the folding of unfolded proteins. In chloroplasts, chaperonin complex is designated Cpn60 complex. In Arabidopsis, two Cpn60 α subunits and four Cpn60 β subunits are present. Cpn60 α 1 (AT2G28000) is the main subunit of the Cpn60 complex in chloroplasts.
Synonyms:	CPN60A1, CH-CPN60A, CHAPERONIN-60ALPHA, CHAPERONIN-60ALPHA1, CHLOROPLAST CHAPERONIN 60ALPHA, CPN60A, CPN60ALPHA1, SCHLEPPERLESS, SLP.
Immunogen:	KLH-conjugated synthetic peptide of CPN60A1 derived from <i>Arabidopsis thaliana</i> AT2G28000.
Form:	Lyophilized
Quantity:	150 μ g
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 μ l 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 $^{\circ}$ C as supplied. 6 months, -20 to -70 $^{\circ}$ C under sterile conditions after reconstitution. 1 month, 2 to 8 $^{\circ}$ C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4 $^{\circ}$ 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.
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Research Use Only

Expected/apparent MW: 62 / 51 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologous with the sequence in *Chlamydomonas reinhardtii*.

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