

Anti-Chaperonin 60 subunit beta 4, chloroplastic antibody

Catalog: PHY3289S

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 β 4 (AT1G26230) is one of Cpn60 β subunit and is essential for folding of the NdhH subunits of the NDH complex.
Synonyms:	CPN60B4, CHAPERONIN-60BETA4, CPN60BETA4
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> CPN60B4 (AT1G26230).
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°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:	67 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Setaria viridis*, *Panicum virgatum*, *Vitis vinifera*, *Triticum aestivum*, *Hordeum vulgare*, *Cucumis sativus*, *Sorghum bicolor*, *Oryza sativa Japonica Group*, *Gossypium raimondii*.

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