

# Anti-Chaperonin 60 subunit beta 4, chloroplastic antibody

Catalog: PHY1359A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	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 $\alpha$ subunits and four Cpn60 $\beta$ subunits are present. Cpn60 $\beta$ 4 (AT1G26230) is one of Cpn60 $\beta$ subunit and is essential for folding of the NdhH subunits of the NDH complex.
<b>Synonyms:</b>	CPN60B4, CHAPERONIN-60BETA4, CPN60BETA4
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CPN60B4 (AT1G26230).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l of 0.01 M sterile PBS. "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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4 $^{\circ}$ C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	67 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**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*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).