Anti-Chaperonin 60 subunit beta 3, chloroplastic antibody

Catalog: PHY0373S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Type I chaperonins are large, double ring complexes invovled in mediating the folding of unfolded proteins. In chloroplasts, chaperonin complex is designated Cpn60 complex. In Arabidopsis, two Cpn60α subunits and four Cpn60β subunits are present. Cpn60β3 (AT5G56500) is one of Cpn60β subunit with low expression level in chloroplasts.
Synonyms:	CPN60B3, CHAPERONIN-60BETA3, CPN60BETA3
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* CPN60B3 (AT5G56500).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	63 kDa

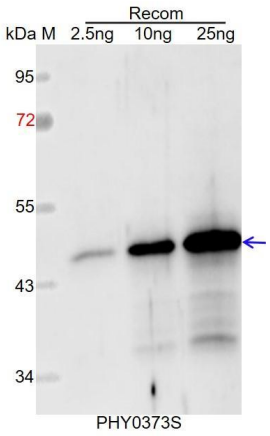
Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, and 80-99% homologues with the sequence in *Brassica rapa*, *Vitis vinifera*, *Nicotiana tabacum*, *Glycine max*, *Spinacia oleracea*, *Populus trichocarpa*, *Solanum tuberosum*, *Solanum lycopersicum*, *Gossypium raimondii*.

The sequence of the synthetic peptide used for immunization is 80% (12 / 15) homologues with the sequence in CPNB1 (AT1G55490).

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 46 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.