Anti-Serine/threonine-protein kinase STN8, chloroplastic antibody

Catalog: PHY2833A

Product Information

Description:	Rabbit polyclonal antibody
Background:	STN8 is specific in phosphorylation of N-terminal threonine residues in D1, D2 and CP43 proteins, and Thr-4 in PsbH protein of photosystem II.
Synonyms:	STN8, STATE TRANSITION 8
Immunogen:	KLH-conjugated synthetic peptide (19 aa from C terminal section) derived from *Arabidopsis thaliana* STN8 (AT5G01920).
orm:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl 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".
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.

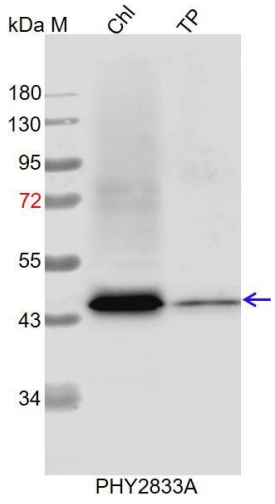
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	55 / 45 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Medicago truncatula*, *Brassica napus*, *Glycine max*, *Gossypium raimondii*, *Brassica rapa*, and 80-99% homologues with the sequence

in *Zea mays*, *Panicum virgatum*, *Triticum aestivum*, *Hordeum vulgare*, *Oryza sativa*, *Panicum virgatum, Sorghum bicolor, Setaria viridis, Physcomitrium patens, Vitis vinifera, Spinacia oleracea, Cucumis sativus, Populus trichocarpa, Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum.*

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

Application Example



Chl: 7.5 μg total chloroplast protein from *Arabidopsis thaliana*.

TP: 15 μg total protein from *Arabidopsis thaliana*.

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: 1:2000 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.