

# Anti-Serine/threonine-protein kinase STN8, chloroplastic, C-terminal antibody

Catalog: PHY2840S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	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.
<b>Synonyms:</b>	STN8, STATE TRANSITION 8
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (18 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> STN8 (AT5G01920).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum
	Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150µl 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".
<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°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.
<b>Shipping:</b>	The product is shipped at 4°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>	55 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in <i>Zea mays</i> , <i>Vitis vinifera</i> , <i>Panicum virgatum</i> , <i>Oryza sativa</i> , <i>Sorghum bicolor</i> , <i>Setaria viridis</i> , <i>Medicago truncatula</i> , <i>Glycine max</i> , <i>Populus</i>

Research Use Only

*trichocarpa, Vitis vinifera, Solanum tuberosum, Solanum lycopersicum, Spinacia oleracea, Gossypium raimondii, Nicotiana tabacum, and 80-99% homologues with the sequence in Triticum aestivum, Hordeum vulgare, Brassica napus, Brassica rapa, Cucumis sativus.*

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