

# Anti-Signal recognition particle 54 kDa protein, chloroplastic antibody

Catalog: PHY1142A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The conserved 54-kDa SRP subunit in higher plant chloroplasts (cpSRP54) is not bound to an SRP RNA, an essential SRP component in bacteria, but forms a stable heterodimer with the chloroplast-specific cpSRP43.
<b>Synonyms:</b>	SRP54, 54 CHLOROPLAST PROTEIN, 54CP, CHLOROPLAST SIGNAL RECOGNITION PARTICLE 54 KDA SUBUNIT, CPSRP54, FFC, FIFTY-FOUR CHLOROPLAST HOMOLOGUE, SIGNAL RECOGNITION PARTICLE 54 KDA SUBUNIT CHLOROPLAST PROTEIN, SRP54CP
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> cpSRP54 (AT5G03940).
<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 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".
<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>	61 kDa

Research Use Only

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Brassica rapa*, *Brassica napus*, and 80-99% homologous with the sequence in *Gossypium raimondii*, *Zea mays*, *Sorghum bicolor*, *Setaria viridis*, *Spinacia oleracea*, *Panicum virgatum*, *Hordeum vulgare*, *Cucumis sativus*, *Solanum tuberosum*, *Solanum lycopersicum*, *Populus trichocarpa*, *Nicotiana tabacum*, *Glycine max*, *Vitis vinifera*, *Medicago truncatula*.

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