

# Anti-Cell division protein FtsZ homolog 1, chloroplastic antibody

Catalog: PHY1418S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	In higher plants, two nuclear gene families, FtsZ1 and FtsZ2, encode homologs of the bacterial protein FtsZ, a key component of the prokaryotic cell division machinery.
<b>Synonyms:</b>	FtsZ1-1, ARABIDOPSIS THALIANA HOMOLOG OF BACTERIAL CYTOKINESIS Z-RING PROTEIN FTSZ 1-1, ATFTSZ1-1, CHLOROPLAST FTSZ, CPFTSZ, FTSZ1-1, HOMOLOG OF BACTERIAL CYTOKINESIS Z-RING PROTEIN FTSZ 1-1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> FtsZ1-1 (AT5G55280).
<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>	46 kDa

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

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

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