

# Anti-Cell division protein FtsZ homolog 2-2, chloroplastic, C-terminal antibody

Catalog: PHY0169S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	FtsZ1 and FtsZ2 are phylogenetically distinct homologues of the tubulin-like bacterial cell division protein FtsZ that play major roles in the initiation and progression of plastid division in plant cells. FtsZ2 contains two family members (FtsZ2-1 and FtsZ2-2).
<b>Synonyms:</b>	FtsZ2-2
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> FtsZ2-2 (AT3G52750).
<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>	50 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i>

Research Use Only

*napus, Brassica rapa, Cucumis sativus, Vitis vinifera, Populus trichocarpa, Glycine max, Gossypium raimondii, and 80-99% homologues with the sequence in Medicago truncatula, Spinacia oleracea, Solanum tuberosum, Nicotiana tabacum, Solanum lycopersicum.*

The sequence of the synthetic peptide used for immunization is 93% (13 / 14) homologues with the sequence in FTSZ2-1 (AT2G36250).

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