

# Anti-Clp protease adapter protein ClpF, chloroplastic antibody

Catalog: PHY2691S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	CLPF is one of the two adaptors (together with CLPS1) that are part of the plastid CLP system. CLPF interacts with chloroplast chaperone CLPC1, which unfolds and delivers substrates to the stromal CLPPRT protease complex for degradation.
<b>Synonyms:</b>	CLPF
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> CLPF (AT2G03390).
<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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	37 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used

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for immunization is 100% homologues with the sequence in *Brassica napus*, *Sorghum bicolor*, *Panicum virgatum*, *Setaria viridis*, *Brassica rapa*, and 80-99% homologues with the sequence in *Oryza sativa*, *Zea mays*, *Gossypium raimondii*, *Medicago truncatula*, *Glycine max*, *Populus trichocarpa*, *Triticum aestivum*, *Vitis vinifera*, *Hordeum vulgare*.

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