

# Anti-NifU-like protein 3, chloroplastic antibody

Catalog: PHY2853A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Nitrogen-Fixing-subunit-U-type protein NFU3 is a protein containing the NFU domain that may act an iron-sulfur scaffold protein in the assembly and transfer of 4Fe-4S and 3Fe-4S clusters in the chloroplast. Other this family proteins are including NFU1 (AT4G01940) and 2 (AT5G49940) than to NFU4 (AT3G20970) and 5 (AT1G51390).
<b>Synonyms:</b>	NFU3, ATCNFU3, NFU DOMAIN PROTEIN 3, NIFU3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (18 aa from Central section) derived from <i>Arabidopsis thaliana</i> NFU3 (AT4G25910).
<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>Applications:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected Results:</b>	26 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

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

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