Anti-NifU-like protein 3, chloroplastic, C-terminal antibody

Catalog: PHY1449A

Product Information

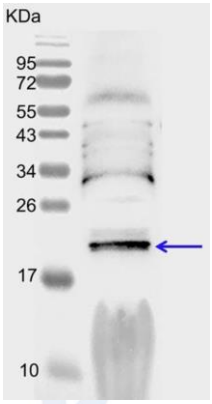
Description:	Rabbit polyclonal antibody
Background:	Nitrogen-Fixing-subunit-U-type protein NFU3 is a protein containing the NFU domain that may act an iron-sulfur scaffold protein in the assembly and transfer of 4Fe-4S and 3Fe-4S clusters in the chloroplast. Other this family proteins are including NFU1 (AT4G01940) and 2 (AT5G49940) than to NFU4 (AT3G20970) and 5 (AT1G51390).
Synonyms:	NFU3, ATCNFU3, NFU DOMAIN PROTEIN 3
Immunogen:	KLH-conjugated synthetic peptide derived from C-terminal of NFU3 protein in *Arabidopsis thaliana* AT4G25910.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	26 / 21 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*

Predicted Reactivity: Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Populus trichocarpa*, *Spinacia oleracea.*
For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



PHY1449A

10 µl total chloroplast protein from *Arabidopsis thaliana* leaf.
Electrophoresis: 15% SDS-PAGE
Transfer: blotting to NC (nitrocellulose) membrane for 1 h.
Blocking: 5% skim milk at RT or 4℃ for 1 h.
Primary antibody: 1:1000 dilution overnight at 4℃.
Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000)
Detection: using chemiluminescence substrate and image were captured with CCD camera.