

Anti-NAD(P)H-quinone oxidoreductase subunit 2, chloroplastic, C-terminal antibody

Catalog: PHY3146S

Product Information

Description:	Rabbit polyclonal antibody
Background:	NDH shuttles electrons from NAD(P)H: plastoquinone, via FMN and iron-sulfur (Fe-S) centers, to quinones in the photosynthetic chain and possibly in a chloroplast respiratory chain. It is the immediate electron acceptor for the enzyme in this species is believed to be plastoquinone. And it couples the redox reaction to proton translocation, and thus conserves the redox energy in a proton gradient.
Synonyms:	NDHB, NAD(P)H dehydrogenase, subunit 2
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> NDHB (ATCG00890, ATCG01250).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. 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:	42 kDa

Research Use Only

Predicted Reactivity:

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

For more species homologues information, please contact tech support at tech@phytoab.com.