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

Catalog: PHY2018A

Product Information

Description:	Rabbit polyclonal antibody
Background:	The chloroplast NAD(P)H dehydrogenase (NDH) complex functions in PSI cyclic and chlororespiratory electron transport in higher plants. NDHH is the 49 KDa plastid NAD(P)H dehydrogenase subunit H protein. Its transcription is regulated by an ndhF-specific plastid sigma factor, SIG4.
Synonyms:	NDHH, NAD(P)H DEHYDROGENASE SUBUNIT H
Immunogen:	KLH-conjugated synthetic peptide (18 aa from C terminal section) derived from *Arabidopsis thaliana* NDHH (ATCG01110).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01M 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.

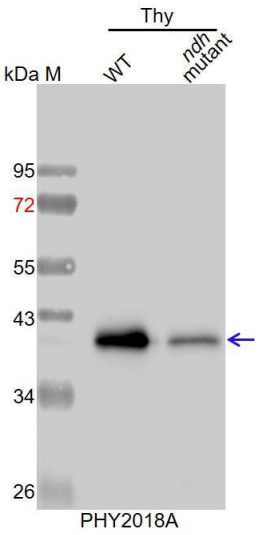
Application Information

Recommended Dilution:	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	46 / 42 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

Brassica napus, *Brassica rapa*.

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

Application Example



Thy-WT: thylakoid membrane protein from WT of *Arabidopsis thaliana* containing 2 μg of chlorophyll.

Thy-*ndh*: thylakoid membrane protein from an *ndh* mutant of *Arabidopsis thaliana* containing 2 μg of chlorophyll.

Electrophoresis: 15% SDS-Urea-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:5000 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.