

Anti-NAD(P)H-quinone oxidoreductase chain 4, chloroplastic antibody

Catalog: PHY2426A

Product Information

Description:	Rabbit polyclonal antibody
Background:	The chloroplast NAD(P)H dehydrogenase (NDH) complex is involved in photosystem I (PSI) cyclic and chlororespiratory electron transport in higher plants. NDHD is a subunit of the NDH complex.
Synonyms:	NDHD
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Arabidopsis thaliana</i> NDHD (ATCG01050).
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°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

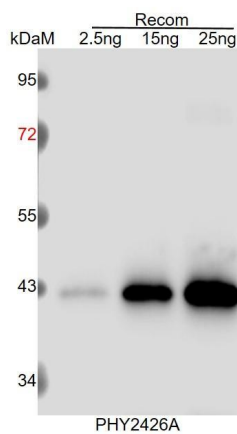
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	56 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Medicago truncatula</i> , <i>Zea mays</i> , <i>Cucumis sativus</i> , <i>Populus trichocarpa</i> , <i>Brassica napus</i> , <i>Oryza sativa</i> , <i>Spinacia oleracea</i> ,

Research Use Only

Physcomitrium patens, Vitis vinifera, Solanum tuberosum, Hordeum vulgare, Solanum lycopersicum, Panicum virgatum, Triticum aestivum, Nicotiana tabacum, Leymus chinensis, Brassica rapa, Setaria viridis, Sorghum bicolor, Gossypium raimondii, Glycine max.

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

Application Example



Recom: 2.5 ng, 15 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 43 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 dilution overnight at 4°C.

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.