

Anti-PsbG/NdhK antibody

Catalog: PHY3437A

Product Information

Description:	Rabbit polyclonal antibody
Background:	PsbG (also known as NdhK) was originally designated as a Photosystem II subunit, but is now recognized as a component of the chloroplast NAD(P)H dehydrogenase-like (NDH) complex. This complex participates in photosystem I cyclic electron transport and chlororespiratory pathways in higher plants. PsbG/NdhK is a subunit of the NDH complex that contains an iron-sulfur [4Fe-4S] cluster.
Synonyms:	PSBG, NDHK, PHOTOSYSTEM II REACTION CENTER PROTEIN G
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PsbG/NdhK (ATCG00430).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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

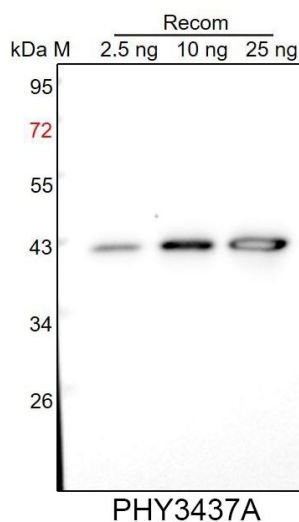
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

Research Use Only

for immunization is 100% homologues with the sequence in *Zea mays*, *Oryza sativa*, *Medicago truncatula*, *Brassica napus*, *Hordeum vulgare*, *Populus trichocarpa*, *Nicotiana tabacum*, *Vitis vinifera*, *Gossypium raimondii*, *Triticum aestivum*, *Panicum virgatum*, *Setaria viridis*, *Leymus chinensis*, *Sorghum bicolor*, *Cucumis sativus*, *Brassica rapa*, *Glycine max*, and 80-99% homologues with the sequence in *Solanum tuberosum*, *Solanum lycopersicum*, *Spinacia oleracea*.

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 42 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.