Anti-NADH dehydrogenase subunit 51kD, mitochondrial antibody

Catalog: PHY0525S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Complex I is the largest protein complex of the oxidative phosphorylation system in mitochondrial and it catalyzes NADH-quinone oxidoreduction. Complex I represents the main entrance site for electrons into the respiratory electron transfer chain. In Arabidopsis, Complex I have at least 49 subunits and 51 kD (AT5G08530) is one of the subunit.
Synonyms:	51 kD, CI51, 51 KDA SUBUNIT OF COMPLEX I, NDUFV1
Immunogen:	KLH-conjugated synthetic peptide of 51 kDa SUBUNIT OF COMPLEX I derived from *Arabidopsis thaliana* AT5G08530.
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℃ 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

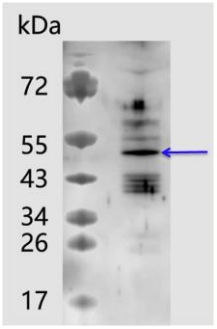
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	53 / 50 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays.*

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

Application Example



7.5 μg mitochondria protein from *Arabidopsis thaliana* leaf.

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: 1:1000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

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Detection: using chemiluminescence substrate and image were captured with CCD camera.