Anti-NADH dehydrogenase subunit 9antibody

Catalog: PHY1080A

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 NAD9 (ATMG00070) is one of the subunit.
Synonyms:	NAD9, NADH DEHYDROGENASE SUBUNIT 9
Immunogen:	KLH-conjugated synthetic peptide of NAD9 derived from *Arabidopsis thaliana* ATMG00070.
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℃ 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.

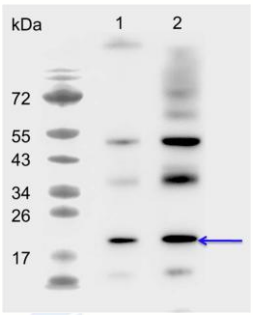
Application Information

Recommended Dilution:	Western Blot(1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	23 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide

used for immunization is100% homologues with the sequence in*Triticumaestivum, Brassica rapa subsp. oleifera, Brassica napus, Nicotiana tabacum, Oryza sativa Indica Group, Gossypium raimondii, Cucumis sativus, Vitis vinifera, Oryza sativa Japonica Group, Zea mays, Zea mays subsp. mays,* and80-99% homologues with the sequence in*Glycine max, Medicago truncatula, Physcomitrella patens.*

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

Application Example



PHY1080A

Lane 1:7.5 μg mitochondria protein from *Arabidopsis thaliana* leaf.

Lane 2:15 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).

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