

Anti-NADH dehydrogenase subunit 9 antibody

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 (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> NAD9 (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°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

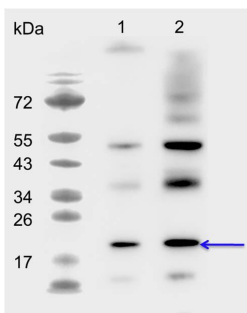
Recommended Dilution:	Western Blot(1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	23 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide

Research Use Only

used for immunization is 100% homologues with the sequence in *Triticum aestivum*, *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*, and 80-99% 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°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.