

Anti-NADH-ubiquinone oxidoreductase chain 1 antibody

Catalog: PHY0512S

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 NAD1 (ATMG00516/ATMG01120/ATMG01275) is one of the subunit.
Synonyms:	NAD1, NADH DEHYDROGENASE 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> NAD1A (ATMG01275), NAD1B (ATMG01120), and NAD1C (ATMG00516).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl 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°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:	36 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Glycine max*, *Solanum tuberosum*, *Vitis vinifera*, *Hordeum vulgare*, *Gossypium raimondii*, *Cucumis sativus*, *Oryza sativa*, *Triticum aestivum*, *Nicotiana tabacum*, *Medicago truncatula*, *Zea mays*, *Brassica rapa*, *Brassica napus*, and 80-99% homologous with the sequence in *Nicotiana tabacum*, *Physcomitrella patens*.

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