

Anti-NADH dehydrogenase 2, C-terminal antibody

Catalog: PHY0514A

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. NAD2 is one of the subunit and contains two protein NAD2A (ATMG00285) and NAD2B (ATMG01320)
Synonyms:	NAD2, NAD2.1, NAD2.2, NAD2A, NAD2B, NADH DEHYDROGENASE 2, NADH DEHYDROGENASE 2.1, NADH DEHYDROGENASE 2.2, NADH DEHYDROGENASE 2A, NADH DEHYDROGENASE 2B
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> NAD2 (ATMG00285).
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:	21 kDa

Research Use Only

Predicted Reactivity:

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

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