

Anti-NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial antibody

Catalog: PHY1406A

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:	CI51, AT5G08530, 51 KDA SUBUNIT OF COMPLEX I, NDUFV1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> CI51 (AT5G08530).
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:	53 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea mays</i> ,

Research Use Only

Glycine max, *Oryza sativa*, *Vitis vinifera*, *Oryza sativa*, *Triticum aestivum*, *Hordeum vulgare subsp. vulgare*, *Panicum virgatum*, *Setaria viridis*, *Solanum tuberosum*, *Sorghum bicolor*, *Spinacia oleracea*, *Gossypium raimondii*, *Physcomitrium patens*, *Brassica napus*, *Nicotiana tabacum*, *Brassica rapa*, *Solanum lycopersicum*, and 80-99% homologues with the sequence in *Chlamydomonas reinhardtii*, *Cucumis sativus*, *Populus trichocarpa*, *Synechocystis sp.* PCC 6803.

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