

Anti-NADH dehydrogenase subunit 39kD, mitochondrial antibody

Catalog: PHY1099S

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 39 kD (AT2G20360) is one of the subunit.
Synonyms:	39 kD, 39 kDa subunit
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> AT2G20360.
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:	44 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

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

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