

Anti-NADH dehydrogenase subunit GRIM-19, mitochondrial antibody

Catalog: PHY1096A

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 GRIM-19 (AT2G33220/AT1G04630) may be one of the subunit.
Synonyms:	GRIM-19, B16.6-2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> GRIM-19 (AT2G33220 / AT1G04630).
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:	16 kDa
Confirmed Reactivity:	Coming soon

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Brassica napus*, *Brassica rapa*, and 80-99% homologous with the sequence in *Medicago truncatula*, *Glycine max*, *Populus trichocarpa*, *Gossypium raimondii*, *Cucumis sativus*, *Oryza sativa*, *Sorghum bicolor*, *Zea mays*, *riticum aestivum*, *Hordeum vulgare*, *Setaria viridis*, *Vitis vinifera*.

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