

Anti-ATP synthase subunit 6, mitochondrial antibody

Catalog: PHY1139A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Mitochondrial FOF1-ATP synthase is also called Complex V and it synthesizes ATP from ADP and Pi using the proton motive force created by respiratory electron transport. ATP6 (ATMG00410/ATMG01170/AT2G07741) is a subunit of mitochondrial FOF1-ATP synthase in <i>Arabidopsis</i> .
Synonyms:	ATP6
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> ATP6 (ATMG00410, ATMG01170, AT2G07741).
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:	42 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in <i>Solanum</i>

Research Use Only

tuberosum, *Nicotiana tabacum*, *Brassica rapa*, *Brassica napus*, and 80-99% homologues with the sequence in *Sorghum bicolor*, *Gossypium raimondii*, *Oryza sativa*, *Populus trichocarpa*, *Solanum lycopersicum*, *Glycine max*, *Vitis vinifera*, *Cucumis sativus*, *Spinacia oleracea*, *Zea mays*.

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