

Anti-ATP synthase subunit 6kDa, mitochondrial antibody

Catalog: PHY1136S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Mitochondrial F ₀ F ₁ -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. ATP 6kD (AT3G46430/AT5G59613) is a subunit of mitochondrial F ₀ F ₁ -ATP synthase in <i>Arabidopsis</i> .
Synonyms:	ATP 6kD
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ATP 6kD (AT3G46430), AT5G59613.
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:	7 kDa
Confirmed Reactivity:	Coming soon

Research Use Only

Predicted Reactivity:

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

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