Anti-Cytochrome c oxidase subunit COX1, mitochondrial antibody

Catalog: PHY3160S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Cytochrome c oxidase is the last enzyme in the respiratory electron transport chain of mitochondria and it is also called Complex IV. Cytochrome c oxidase receives an electron from each of four cytochrome c molecules, and transfers them to one oxygen molecule, converting molecular oxygen to two molecules of water. In higher plants mitochondria, Complex IV processes 14 subunits. COX1 (ATMG01360) is one subunit of the Complex IV.
Synonyms:	COX1, CYTOCHROME OXIDASE
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* COX1 (ATMG01360).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150μl 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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	58 kDa

Predicted Reactivity:

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

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