

# Anti-Ubiquinol-cytochrome c oxidoreductase subunit COB, mitochondrial antibody

Catalog: PHY1116A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Mitochondrial ubiquinol-cytochrome c oxidoreductase is also called complex III and it accepts electron from quinol and transferred to cytochrome c. In <i>Arabidopsis</i> mitochondria, ubiquinol-cytochrome c oxidoreductase contains 10 subunits. COB (ATMG00220) is one of the subunit of Complex III.
<b>Synonyms:</b>	COB, APOCYTOCHROME B
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> COB (ATMG00220) and AT2G07727.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	44 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Solanum tuberosum</i> , <i>Triticum aestivum</i> , <i>Oryza sativa</i> , <i>Vitis vinifera</i> , <i>Nicotiana</i>

Research Use Only

*tabacum*, *Brassica rapa*, *Solanum lycopersicum*, *Brassica napus*,  
*Cucumis sativus*, and 80-99% homologues with the sequence in  
*Hordeum vulgare*, *Spinacia oleracea*, *Medicago truncatula*,  
*Gossypium raimondii*, *Glycine max*, *Panicum virgatum*, *Zea mays*,  
*Sorghum bicolor*, *Physcomitrella patens*, *Chlamydomonas reinhardtii*.  
For more species homologues information, please contact tech  
support at [tech@phytoab.com](mailto:tech@phytoab.com).