

# Anti-NADH dehydrogenase subunit AT2G27730, mitochondrial antibody

Catalog: PHY0555A

## Product Information

|                                 |  |
|---------------------------------|--|
| <b>Description:</b>             | Rabbit polyclonal antibody   |
| <b>Background:</b>              | 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 AT2G27730 may be one of the subunit. |
| <b>Synonyms:</b>                | AT2G27730  |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> AT2G27730.   |
| <b>Form:</b>                    | Lyophilized  |
| <b>Quantity:</b>                | 150 µg   |
| <b>Purification:</b>            | Immunogen affinity purified  |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of sterile 1XPBS (PH=7.4).<br>"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.<br>12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>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

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| <b>Recommended Dilution:</b>   | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user.                                  |
| <b>Expected / apparent MW:</b> | 12 kDa  |
| <b>Predicted Reactivity:</b>   | Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica</i> |

Research Use Only

*rapa, Brassica napus.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).