

# Anti-NADH dehydrogenase subunit AT2G31490, mitochondrial, C-terminal antibody

Catalog: PHY0542A

## 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 AT2G31490 may be one of the subunit.
<b>Synonyms:</b>	AT2G31490, NADH-DH subunit
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> AT2G31490.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen Affinity Purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of sterile 1×PBS (PH=7.4). "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>	8 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used

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for immunization is 100% homologues with the sequence in *Brassica rapa*, *Vitis vinifera*, *Brassica napus*, and 80-99% homologues with the sequence in *Triticum aestivum*, *Sorghum bicolor*, *Oryza sativa*, *Zea mays*, *Panicum virgatum*, *Spinacia oleracea*, *Cucumis sativus*, *Gossypium raimondii*, *Populus trichocarpa*, *Glycine max*, *Medicago truncatula*, *Hordeum vulgare*.

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