

Anti-NADH dehydrogenase subunit ASHI, mitochondrial antibody

Catalog: PHY0522A

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | 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 ASHI (AT5G47570) is one of the subunits. |
| Synonyms: | ASHI |
| Immunogen: | KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> ASHI (AT5G47570). |
| Form: | Lyophilized |
| Quantity: | 150 µg |
| Purification: | Immunogen affinity purified |
| Reconstitution: | Reconstitution with 150 µl of sterile 1XPBS (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". |
| 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

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| Recommended Dilution: | Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user. |
| Expected / apparent MW: | 13 kDa |
| Predicted Reactivity: | Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i> |

Research Use Only

napus, *Brassica rapa*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Zea mays*, *Triticum aestivum*, *Hordeum vulgare*, *Spinacia oleracea*, *Populus trichocarpa*, *Nicotiana tabacum*, *Vitis vinifera*, *Solanum tuberosum*, *Solanum lycopersicum*, *Setaria viridis*, *Sorghum bicolor*, *Panicum virgatum*, *Oryza sativa*.

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