

Anti-NADH dehydrogenase 3 antibody

Catalog: PHY1074S

Product Information

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 <i>Arabidopsis</i> , Complex I have at least 49 subunits and NAD3 (ATMG00990) is one of the subunit.
Synonyms:	NAD3, NADH DEHYDROGENASE 3
Immunogen:	KLH-conjugated synthetic peptide derived from N-terminal section of NAD3 protein in <i>Arabidopsis thaliana</i> ATMG00990.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl 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°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

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	14 / 12 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>

Research Use Only

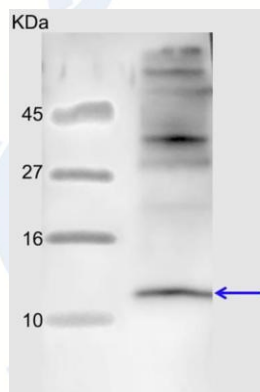
Predicted Reactivity:

Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Oryza sativa Indica Group*, *Oryza sativa Japonica Group*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Brassica napus*, *Cucumis sativus*, *Zea mays subsp. parviglumis*, *Nicotiana tabacum*, *Glycine max*, *Hordeum vulgare subsp. spontaneum*, *Sorghum bicolor*, *Gossypium raimondii*, *Vitis vinifera*, and 80-99% homologues with the sequence in *Spinacia oleracea*, *Populus trichocarpa*.

The sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in NADH-ubiquinone oxidoreductase chain 3 (AT2G07751).

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

Application Example



PHY1074S

10 µg mitochondria protein from *Arabidopsis thaliana* leaf.

Electrophoresis: Tricine-SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.