

Anti-NAD5 antibody

Catalog: PHY8061S

Product Information

Description:	Rabbit polyclonal antibody
Background:	NAD5 is a mitochondrially-encoded subunit of respiratory Complex I in <i>Arabidopsis</i> . It is essential for NADH oxidation, quinone reduction, and proton translocation across the inner membrane during cellular energy production.
Synonyms:	NAD5, NAD5.1, NAD5.2, NAD5.3, NAD5A, NAD5B, NAD5C, NADH DEHYDROGENASE 5.1, NADH DEHYDROGENASE 5.2, NADH DEHYDROGENASE 5A, NADH DEHYDROGENASE 5B, NADH DEHYDROGENASE SUBUNIT 5, NADH DEHYDROGENASE SUBUNIT 5.3, NADH DEHYDROGENASE SUBUNIT 5C
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Arabidopsis thaliana</i> NAD5 (ATMG00513, ATMG00665, ATMG00060).
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.
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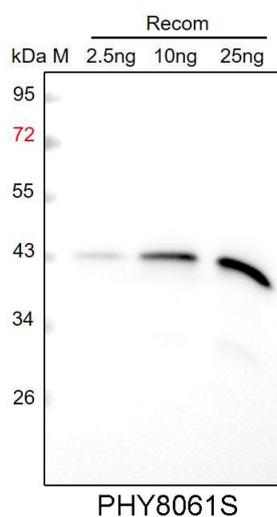
Research Use Only

Expected / apparent MW: 74 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Solanum tuberosum*, *Gossypium raimondii*, *Physcomitrium patens*, *Hordeum vulgare*, *Oryza sativa*, *Zea mays*, *Triticum aestivum*, *Vitis vinifera*, *Sorghum bicolor*, *Brassica rapa*, *Nicotiana tabacum*, *Brassica napus*, *Solanum lycopersicum*, *Glycine max*, *Medicago truncatula*, *Cucumis sativus*, *Populus trichocarpa*, *Spinacia oleracea*, *Panicum virgatum*, *Setaria viridis*.

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 43 kDa.

Electrophoresis: 12% 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.