

Anti-Internal alternative NAD(P)H-ubiquinone oxidoreductase A2, mitochondrial antibody

Catalog: PHY1038A

Product Information

Description:	Rabbit polyclonal antibody
Background:	In mitochondria, type II NAD(P)H dehydrogenase may have a role in redox stabilization and regulation as energy bypass proteins together with AOX proteins (AOX1A, AT3G22370; AOX1B, AT3G22360; AOX1C, AT3G27620; AOX1D, AT1G32350; AOX2, AT5G64210). <i>Arabidopsis thaliana</i> NDA1 (AT1G07180) and NDA2 (AT2G32950) are paralogs displaying 82% amino acid sequence identity.
Synonyms:	NDA2, ALTERNATIVE NAD(P)H DEHYDROGENASE 2
Immunogen:	KLH-conjugated synthetic peptide (14 aa from Central section) derived from <i>Arabidopsis thaliana</i> NDA2 (AT2G29990).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	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:	57 kDa

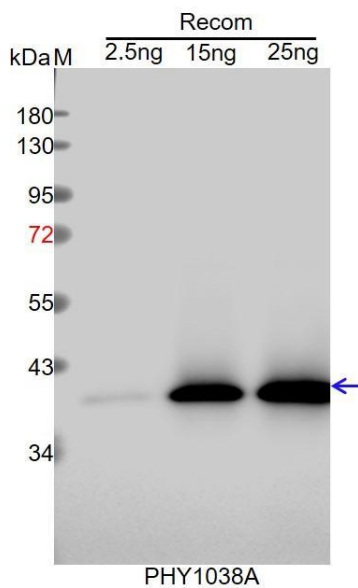
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Gossypium raimondii*, *Sorghum bicolor*, *Oryza sativa*, *Cucumis sativus*.

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

Application Example



Recom: 2.5 ng, 15 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 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.