

Anti-NO-associated protein 1, chloroplastic/mitochondrial antibody

Catalog: PHY3810S

Product Information

Description:	Rabbit polyclonal antibody
Background:	NOA1 is a protein with similarity to the bacterial YqeH GTPase required for proper ribosome assembly. It also seems to be involved in regulating leaf senescence, cell death, nitric oxide biosynthesis in response to ABA but not exogenous H ₂ O ₂ .
Synonyms:	NOA1, ATNOA1, ATNOS1, NITRIC OXIDE SYNTHASE 1, NO ASSOCIATED 1, NOS1, RESISTANT TO INHIBITION WITH FOSMIDOMYCIN 1, RIF1, SUPPRESSOR OF VARIEGATION 10, SVR10
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> NOA1 (AT3G47450).
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:	62 kDa

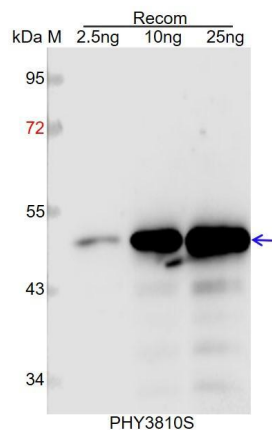
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Gossypium raimondii*, *Populus trichocarpa*, *Brassica napus*, and 80-99% homologues with the sequence in *Vitis vinifera*, *Glycine max*, *Hordeum vulgare*, *Triticum aestivum*, *Spinacia oleracea*, *Panicum virgatum*, *Nicotiana tabacum*, *Solanum tuberosum*, *Solanum lycopersicum*, *Brassica rapa*, *Cucumis sativus*, *Zea mays*, *Setaria viridis*, *Oryza sativa*, *Sorghum bicolor*.

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 50 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.