Anti-RNA polymerase subunit alpha antibody

Catalog: PHY0379A

Product Information

Description:	Rabbit polyclonal antibody
Background:	In chloroplasts, transcription of plastid genes is mediated by two types of RNA polymerase: plastid-encoded RNA polymerase (PEP) and nuclear encoded RNA polymerase (NEP). PEP is composed of four coresubunits (α, β,β',β'') and a promoter recognition subunit (σfactor). RpoA (ATCG00740) is the α subunit of PEP.
Synonyms:	RpoA, RNA POLYMERASE SUBUNIT ALPHA
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from *Arabidopsis thaliana* RpoA (ATCG00740).
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 & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70□ as supplied. 6 months, -20 to -70□ under sterile conditions after reconstitution. 1 month, 2 to 8□ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4□. Upon receipt, store it immediately at the temperature recommended above.

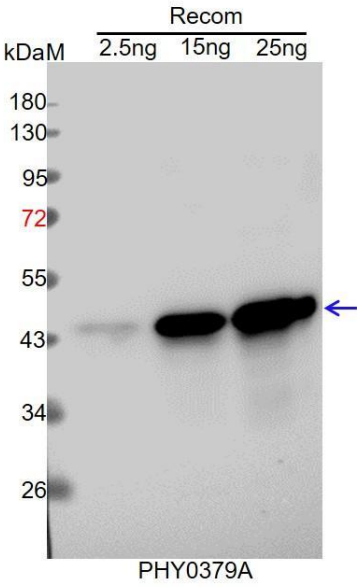
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	38 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica rapa, Brassica napus, Solanum tuberosum, Nicotiana*

tabacum, Solanum lycopersicum, Spinacia oleracea, Brassica napus, and 80-99% homologues with the sequence in *Populus trichocarpa, Vitis vinifera, Medicago truncatula, Cucumis sativus, Glycine max, Gossypium raimondii*.

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 47 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 dilution overnight at 4℃.

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.