Anti-RNA polymerase subunit beta' antibody

Catalog: PHY1240

Product Information

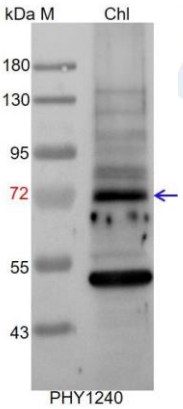
Description:	Rabbit polyclonal antibody
Background:	In chloroplasts, transcription of plastid genes is mediated by two types of RNA polymerase: plastid-encoded RNA polymerase (PEP) and nuclear encoded RNA polymerase (NEP). PEP is composed of four core subunits (α, β, β', β'') and a promoter recognition subunit (σfactor). RpoC1 (ATCG00180) is the β'subunit of PEP.
Synonyms:	RpoC1
Immunogen:	Recombinant protein of RpoC1 (145-498aa) derived from *Arabidopsis thaliana* ATCG00180.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A 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:	79 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	For more species homologues information, please contact tech

support at tech@phytoab.com.

Application Example



Chl: 4 µl total chloroplast protein from *Arabidopsis thaliana*.

Electrophoresis: 10% 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.