Anti-RNA-binding protein CP33, chloroplastic antibody

Catalog: PHY1443S

Product Information

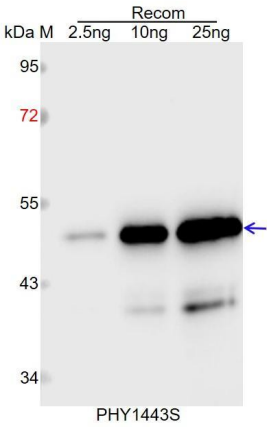
Description:	Rabbit polyclonal antibody
Background:	CP33 is one of chloroplast RNA-binding proteins which could be involved in splicing and/or processing of chloroplast RNAs. In *Arabidopsis thaliana*, there are three similar chloroplast RNA binding proteins: cp29 (AT3G53460), cp31 (AT4G24770) and cp33 (AT3G52380).
Synonyms:	CP33, CHLOROPLAST RNA-BINDING PROTEIN 33, PDE322, PIGMENT DEFECTIVE 322
Immunogen:	KLH-conjugated synthetic peptide (16 aa from central section) derived from *Arabidopsis thaliana* CP33 (AT3G52380).
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℃ 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:	36 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, and 80-99% homologues with the sequence in *Solanum tuberosum, Solanum lycopersicum, Nicotiana tabacum.* 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 52 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.