

Anti-31 kDa ribonucleoprotein, chloroplastic, C-terminal antibody

Catalog: PHY0745A

Product Information

Description:	Rabbit polyclonal antibody
Background:	CP31A is a chloroplast RNA-binding protein. It is essential for accumulation of the ndhF message and, thus, for the expression and activity of the chloroplast NDH complex.
Synonyms:	CP31A, 31-KDA RNA BINDING PROTEIN, ARABIDOPSIS THALIANA RNA BINDING PROTEIN, APPROXIMATELY 31 KD, ATRBP31, ATRBP33, CP31, RBP31
Immunogen:	KLH-conjugated synthetic peptide (19 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CP31A (AT4G24770).
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°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

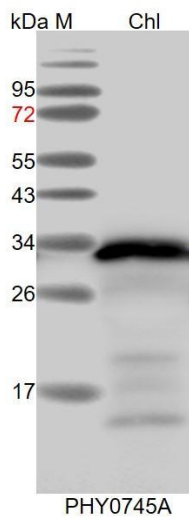
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	36 / 31 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>

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 *Oryza sativa Japonica Group*, *Triticum aestivum*, *Hordeum vulgare*, *Brassica rapa*, *Brassica napus*, *Gossypium raimondii*, *Vitis vinifera*. For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Chl: 7.5µg total chloroplast protein from *Arabidopsis thaliana*.

Electrophoresis: 15% SDS-PAGE

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

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

Primary antibody: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgGH&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.