

Anti-RPS3 antibody

Catalog: PHY3031A

Product Information

Description:	Rabbit polyclonal antibody
Background:	RPS3 is a chloroplast-encoded structural constituent of the small ribosomal subunit (30S). It binds mRNA and rRNA, and is essential for translation within the chloroplast. The protein localizes to the chloroplast, specifically the plastid small ribosomal subunit and nucleoid.
Synonyms:	RPS3
Immunogen:	KLH-conjugated synthetic peptide (19 aa from central section) derived from <i>Arabidopsis thaliana</i> RPS3 (ATCG00800).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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

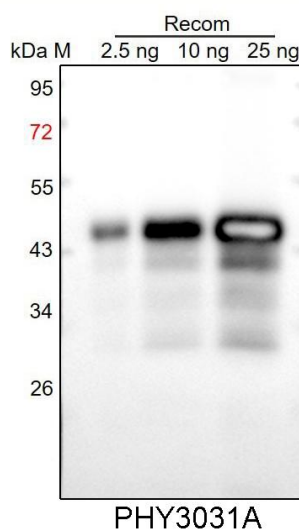
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Solanum tuberosum</i> , <i>Oryza sativa</i> , <i>Leymus chinensis</i> , <i>Triticum aestivum</i> ,

Research Use Only

Hordeum vulgare, *Setaria viridis*, *Panicum virgatum*, *Zea mays*, *Brassica napus*, *Gossypium raimondii*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Populus trichocarpa*, *Cucumis sativus*, *Glycine max*, *Brassica rapa*, and 80-99% homologues with the sequence in *Spinacia oleracea*, *Sorghum bicolor*, *Vitis vinifera*, *Medicago truncatula*.

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 45 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.