Anti-50S rpl14 ribosomal protein L14, N-terminal antibody

Catalog: PHY0430S

Product Information

Description:	Rabbit polyclonal antibody
Background:	RP- L14, a constituent of the large subunit of the ribosomal complex. L14 is one of the most conserved ribosomal proteins and appears to have a central role in the ribonucleoprotein complex.
Synonyms:	RP- L14, RIBOSOMAL PROTEIN L14, RPL14.
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Arabidopsis thaliana* RPL14 (ATCG00780).
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

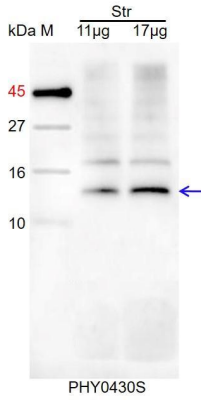
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	14 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in

Medicago truncatulam, *Brassica rapa*, *Physcomitrella patens*, *Brassica napus*, and 80-99% homologues with the sequence in *Synechocystis sp.* PCC 6803, *Gossypium raimondii*, *Glycine max*, *Nicotiana tabacum, Vitis vinifera, Solanum tuberosum*, *Spinacia oleracea*, *Oryza sativa*, *Synechococcus elongatus* PCC 7942, *Triticum aestivum*, *Zea mays*, *Panicum virgatum*, *Sorghum bicolor*, *Hordeum vulgare*, *Populus trichocarpa*, *Cucumis sativus, Chlamydomonas reinhardtii.*

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example

Example1:



Str: 11 μg and 17 μg stromal protein from *Arabidopsis thaliana*, respectively.

Electrophoresis: Tricine-SDS-PAGE

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

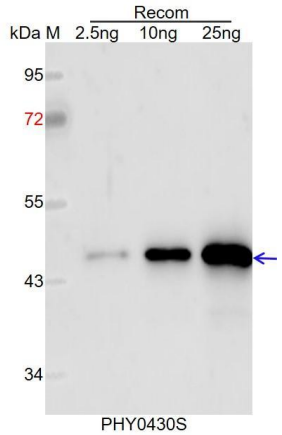
Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:2000 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.

Example2:



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 46 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.