

Anti-30S rps4 ribosomal protein S4 (RP-S4), N-terminal antibody

Catalog: PHY0428S

Product Information

Description:	Rabbit polyclonal antibody
Background:	RPS4 is one of the primary rRNA binding proteins, it binds directly to 16S rRNA where it nucleates assembly of the body of the 30S subunit.
Synonyms:	RPS4, CHLOROPLAST RIBOSOMAL PROTEIN S4.
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> RPS4 (ATCG00380).
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°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:	23 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in

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Medicago truncatula, Cucumis sativus, Glycine max, Solanum tuberosum, Brassica napus, Gossypium raimondii, Oryza sativa Japonica Group, Spinacia oleracea, Populus trichocarpa, Vitis vinifera, Nicotiana tabacum, Solanum lycopersicum, and 80-99% homologues with the sequence in Zea mays, Triticum aestivum, Panicum virgatum, Hordeum vulgare subsp. spontaneum, Physcomitrella patens, Leymus chinensis, Setaria viridis.

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