

Anti-30S ribosomal protein S12, chloroplastic, C-terminal antibody

Catalog: PHY3197A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Ribosomal protein s12 is located in three distinct loci on the chloroplast .It is
	transpliced to make one transcript.
Synonyms:	RPS12, RIBOSOMAL PROTEIN S12, RIBOSOMAL PROTEIN S12 B/C,
	RPS12 B/C
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from
	Arabidopsis thaliana RPS12 B (ATCG01230) and RPS12 C (ATCG00905).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen Affinity Purified
Reconstitution:	Reconstitution with 150µl of sterile $1 \times PBS$ (PH=7.4).
	"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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	12 months from date of receipt, -20 to -70 $^\circ \!\! \mathbb{C}$ as supplied.
	6 months, -20 to -70 $^\circ\!\!\!\!\!^\circ$ under sterile conditions after reconstitution.
	1 month, 2 to 8 $^{\circ}$ C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4 $^\circ\!\!\!{}^\circ\!\!{}^\circ$. 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
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for
	immunization is 100% homologues with the sequence in <i>Brassica</i>
	napus, Vitis vinifera, Gossypium raimondii, Solanum lycopersicum,
	Spinacia oleracea, Populus trichocarpa, Nicotiana tabacum, and 80-99%

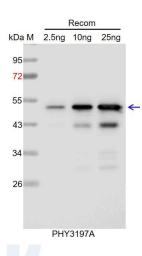
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homologues with the sequence in *Medicago truncatula*, *Glycine max*, *Cucumis sativus*, *Solanum tuberosum*, *Oryza sativa*, *Panicum virgatum*, *Hordeum vulgare*, *Triticum aestivum*, *Zea mays*, *Sorghum bicolor*, *Chlamydomonas reinhardtii*. For 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°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.

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