

Anti-RPT5A/B antibody

Catalog: PHY1747A

Product Information

Description:	Rabbit polyclonal antibody
Background:	RPT5A and RPT5B encode redundant ATPase subunits of the Arabidopsis 26S proteasome regulatory particle. They unfold ubiquitinated proteins for degradation, regulating cell cycle progression, hormone signaling (e.g., auxin/ABA), and stress responses.
Synonyms:	RPT5A/B, REGULATORY PARTICLE TRIPLE-AATPASE 5A / B, RPT5A
Immunogen:	KLH-conjugated synthetic peptide (18 aa from central section) derived from <i>Arabidopsis thaliana</i> RPT5A (AT3G05530) and RPT5B (AT1G09100).
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:	47 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Spinacia oleracea</i> , <i>Cucumis sativus</i> , <i>Medicago</i>

Research Use Only

truncatula, *Solanum tuberosum*, *Gossypium raimondii*, *Populus trichocarpa*, *Vitis vinifera*, *Zea mays*, *Oryza sativa*, *Hordeum vulgare*, *Triticum aestivum*, *Setaria viridis*, *Panicum virgatum*, *Sorghum bicolor*, *Physcomitrella patens*, and 94% homologues with the sequence in *Chlamydomonas reinhardtii*.

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